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<400> 15585

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 <223> unsure at all n locations
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<400> 15587

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 <213> *Aspergillus nidulans*
 <400> 15588

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 <400> 15589

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 <213> *Aspergillus nidulans*

<400> 15590

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<212> DNA
<213> *Aspergillus nidulans*

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<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 15592

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<210> 15593
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15593

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 <213> *Aspergillus nidulans*

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 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
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 <400> 15607

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<210> 15609

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<212> DNA
<213> Aspergillus nidulans

<400> 15609

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<213> Aspergillus nidulans

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411

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<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

<400> 15612

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<213> Aspergillus nidulans

<400> 15613

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<400> 15614

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<213> Aspergillus nidulans

<400> 15615

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<210> 15617
 <211> 485
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 15617

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<210> 15618
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 <213> Aspergillus nidulans
 <400> 15618

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<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
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<210> 15620
<211> 562
<212> DNA
<213> *Aspergillus nidulans*
<400> 15620

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<210> 15621
<211> 501
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<213> *Aspergillus nidulans*
<400> 15621

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<210> 15622
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15622

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15623

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 <211> 129

<212> DNA
<213> Aspergillus nidulans

<400> 15624

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<210> 15625
<211> 125
<212> DNA
<213> Aspergillus nidulans

<400> 15625

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<210> 15626
<211> 456
<212> DNA
<213> Aspergillus nidulans

<400> 15626

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<212> DNA
<213> Aspergillus nidulans

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<210> 15628

<211> 643

<212> DNA

<213> *Aspergillus nidulans*

<400> 15628

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<210> 15629

<211> 496

<212> DNA

<213> *Aspergillus nidulans*

<400> 15629

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<210> 15630
<211> 454
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 15630

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<210> 15631
<211> 590
<212> DNA
<213> Aspergillus nidulans
<400> 15631

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<210> 15632
<211> 549
<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 15632

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<212> DNA
<213> *Aspergillus nidulans*

<400> 15633

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 <213> *Aspergillus nidulans*

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<400> 15636

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<400> 15637

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<210> 15639
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 <212> DNA
 <213> Aspergillus nidulans

<400> 15639

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<400> 15640

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 <212> DNA
 <213> Aspergillus nidulans

<400> 15643

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<400> 15645

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<213> Aspergillus nidulans

<400> 15664

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<400> 15686

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<213> Aspergillus nidulans
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 <213> *Aspergillus nidulans*

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<212> DNA
<213> Aspergillus nidulans

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<212> DNA
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<212> DNA
<213> *Aspergillus nidulans*

<400> 15718

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<210> 15719

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<212> DNA

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<400> 15719

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 <213> *Aspergillus nidulans*

<400> 15720

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<210> 15721

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<212> DNA

<213> *Aspergillus nidulans*

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<400> 15734

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 <213> *Aspergillus nidulans*

<400> 15736

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 <213> *Aspergillus nidulans*

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<400> 15738

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<400> 15739

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<212> DNA

<213> *Aspergillus nidulans*

<400> 15740

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<212> DNA
<213> *Aspergillus nidulans*

<400> 15741

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 <213> *Aspergillus nidulans*

<400> 15742

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<210> 15743
<211> 3799
<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
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 <213> *Aspergillus nidulans*

<400> 15744

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 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

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<212> DNA
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<212> DNA
<213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 15751

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<210> 15752
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 <213> Aspergillus nidulans

<400> 15752

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 <213> Aspergillus nidulans

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<212> DNA

<213> *Aspergillus nidulans*

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<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 15759

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<400> 15766

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<212> DNA

<213> *Aspergillus nidulans*

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<400> 15785

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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 15787

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 <213> *Aspergillus nidulans*

<400> 15788

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<213> *Aspergillus nidulans*

<400> 15789

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<400> 15794

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<400> 15802

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<400> 15803

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<213> Aspergillus nidulans

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<400> 15819

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<213> *Aspergillus nidulans*
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<213> *Aspergillus nidulans*

<400> 15824

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15826

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<213> Aspergillus nidulans

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<400> 15860

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<400> 15861

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<213> Aspergillus nidulans

<400> 15862

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<213> *Aspergillus nidulans*

<400> 15863

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<213> *Aspergillus nidulans*
<400> 15864

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<400> 15885

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<213> Aspergillus nidulans
<223> unsure at all n locations
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<400> 15896

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 <223> unsure at all n locations

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<400> 15926

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<211> 817

<212> DNA

<213> Aspergillus nidulans

<400> 15927

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<210> 15928

<211> 226

<212> DNA

<213> Aspergillus nidulans

<400> 15928

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<212> DNA
<213> Aspergillus nidulans

<400> 15931

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atgcaattgt tttcggagat ccagcggat taatggctgt tcgtgaagta gcaccaaata 180
tgcagttgca ctggaatata gaaacgacag caacaaactg gttcacttgt aattactggg 240
gacaaagagg atcaaagcgt gctgtattag ctcgtgagct tagcttagat gaaattgttg 300
atttaaaaga aaatgctgaa gtggaactgg aagtacaaat tcacgggatg acttgtatgt 360
ttcaatcgaa gcgttcatta gtaggaaact actttgagta tcaaggaccg aatcttgaca 420
ttggaaagga aaaatattga agagaatatg gttttatatg aaccagagcc gttacataaa 480
gtttcaattt atggagatga aatggaactc acatattggg cccgacgaca tttggtcac 540
gatggattaa aggacttata gatgcttgag tgttgcttaa aatcgagggtg gactaaaaag 600
tttgattcat tattgagtaa cgagaaattt ggcaagcgtt ggttatgcgt agag 654

<210> 15932
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<212> DNA
<213> Aspergillus nidulans

<400> 15932

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ttctggatgg ctgagacgct gaagtatttc tatctgctct tttcggaccg cgacttcata 180
tcgcttgagg agaacgtatt taataccgag gctcatccaa tgcccagatt caagcctaca 240
ggggagttga gtacgggctg ggtcaggagt gcgagggtgc ctaagtctgt acctgtataa 300
gtttagtttc tttttttttt cttctttctt gttttctatg tacgggtgtg gccgctgccg 360

tcgttttctgt agactggaat gtattttggg attgagattc gcttgcttcc aaaatatgtc 420
 ctagactggc tgtataaaca taaatttgaa tgctgaacg gtgcaacagt caggtttgac 480
 gtaaacataa ctgggcgct caatatgtat atatgtcata agggatcaag gaacattcag 540
 taaatccgt ccaatgcagc tgtgatcaac tttttgtatc ccttaacagc ctctccaac 600
 tgcgcaaccg taatcgattc atgatctcca tgggcaacat gaatactccc tggtcctgag 660
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 ttcacagtgg taatctcgaa ccagggcagc tccgtatcga gatcctgagg cgcataccca 780
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 tggatggttt ggatggagca gacgacgggt aagcgaagac gttgaaccga gaggtgcgcc 1560
 cttcgactgg ctgctttatt acattgaaat tgtgagattc gaggaaggac gctaggaatt 1620
 cgccaacagc ggactcgta ccggaaacag aggggattga gacgaggtct cggtgagggg 1680
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<210> 15933
 <211> 898
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15933

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ctgtgaactg tggcagaggt tcgactgtct aaccttccta ctgtttcgag gcattaccga 180
ttaaaaacttg caaccaccgc cattgctcaa ggacatcgac tagtttccta aactactgca 240
aaccgcgctg cttccccaac gaaatcaaac ccacctcact catcctttac ttctaaaata 300
cggttctacc ccacctcgta aaaacccact actgcattct acgcacaaat agaattcatc 360
tagactagcc catcccatc cctgcgcttt tcatagaaac ccattatac atggtgagca 420
cgcttcatcc ccatacccaa aacgaaacca ataaattaca ctccacataa tttctttgcc 480
agggctcggg ttacccccca aacccatatt tattccctta acttcccaaa ggttttcaaa 540
cctgtgcccc gtcacccttg gaaacagacc ctccaaaagg acctcatttg gccgcgccta 600
cgggttccgc cataaacgaa atcccctagt tgaaaaaact ccaaattggaa aaacaaatcc 660
cctggcttaa tgaatggccc aaaaaaaatt tccaaaacac ttttagaacc ccccaccacc 720
aatcaaate aaatgacacc ccgatgggca aaacacctta taattccac cccatctttt 780
ggccgaactc tttaaacaac cacagtttta aacaatcaaa ttcttcccc acaaaatata 840
tttcatattt ataaccccaa ccccccaaa ctttttactg gcccaaacat tttaaacc 898

<210> 15934

<211> 728

<212> DNA

<213> *Aspergillus nidulans*

<400> 15934

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ggggaggggt ataaatgta caaggacacc gaacgtgggt atttgaaaac aaaccagcca 180
ttatttcaac aggggttggt ggtggaccat ttgaagcaaa ggggaacatc ccagaagact 240
tcgatatcct tcatgaagat ttatggctcg gacaagattc ctatgaaaaa gcacataaaa 300
ttttattcga agaggcttgt agtcgcgcta ctgaaaaagc agaacttcgg aaagatgata 360
ttcagttcgt actcgcagga gatttaatta atcaaattac ccctacaagc tttgcttggc 420

gcacactggg cactccttat ctiggattat tccgggcttg gtctacctct atgggaggtt 480
tagcacttgg ggcaagtttc gttaatgcaa aagggccaaa tatttataaa ctggaggtta 540
aaggcataaa acaggtgtga aaaacagttc ccgtccctac caatacggga caaaaccgct 600
tctgacaggg gccgtaaccc ggggggcccg ttattagcga actggcaacg ccaaagaact 660
ttgaaaatgg ccgtggtgta tggataacga cctaaatgga ggcattggtca gtcgtgaaaa 720
tgaacctt 728

<210> 15935
<211> 564
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 15935

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ctgccggtct acaggcggca acgaaagcca tacgatgcga ctactgtatg gagtccaggg 180
ctatcataac catgatggcc gataggccaa tcagtacgca aaggactcta ttactgtatt 240
actgcagtcg cagcctccgt acgcaggaaa agatcatgag gagcaggact cacatgtatc 300
cgtatgaaga tcgattatta gttcatgtga cttgcatatc gaatgagcaa tctaccgatc 360
tgctgggaca aagccacccg cggcgaggaa cagaccaaca aacaccgact gtcaggacat 420
acgcagaagt ctctaatcgc agctcctgca agactattat aaagactaca tncctcgttg 480
cagacactac agctgtaggc ccactcacat gcagcgagaa gttcttcttt ctaaacacga 540
ctgaatggta tcagtacata taca 564

<210> 15936
<211> 1039
<212> DNA
<213> *Aspergillus nidulans*
<400> 15936

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ggcctcgtgc gcggaaatcg cgcttcagct cgcttttttg gcttctgcgc gatttgcttg 180

acgttcccgg ctggggtgac gccgccaag tgcttgcgta cggcggtacta ggggtgatat 240
 gggccaaagt ctggggcggc gagaaccggg ggggatggat ggtcattgca tccatctatt 300
 aatcgtgttt ctcggcgctt cgetgatttg cctccaagct actctttttg ctcttttttg 360
 atatacta at ttttactct cttaatttac ccattcattt tcgtatctac ctatcttctg 420
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 tctacacgca ccactttaga ctctctcttc cgatttatct catctctttc acattttatc 600
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 ctttctactt tactcacatc tctataacaa atctcccttc tttgacattt cttttccatc 780
 cctattatt tcaccttgc ctcatatcat tctcgtctt actacttctc ctcttcatat 840
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 ctagctatat tatacccttt caagtcgttt cttttctgaa tctgcttggt tctactttta 960
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<210> 15937
 <211> 621
 <212> DNA
 <213> Aspergillus nidulans
 <400> 15937

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 ttaccaggt tcaagcgctc tgtattccat ggaggaacag taggaggggt agacctttgg 120
 gcatgaataa aggggacgga cctgtcctt gtagcgcgta cccttgatca tgaacaaata 180
 gcgtaccgc gctagtaaca ttaagcctgt gacaaacgaa actgctgtct ctcaaggatg 240
 gagtatgtta acctgggaga acatatgctg ctctttcagg ggggggagcc cggctctgaat 300
 aaagcgcaaa gctcatacta ccctagttga aagacgctga atcaaccggc gccagtggtc 360
 agactgacgc tgcctatgtg atcgtctgg aagacctgga cgagacatgc gctatgtcac 420
 cggtatgatga acttgacaac atactactga ctgtcgatgg acatattaag agcgatgatt 480

atcgtctctg ggaggagtac atgttgtagg ggactactac acgcagcttg tgcggctcta 540
 catacactat gggtcctgaa ggatgctcac gtcacttaat ctgcattctg agatgataat 600
 gacttgctga ttgtattcga c 621

<210> 15938
 <211> 558
 <212> DNA
 <213> Aspergillus nidulans

<400> 15938
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 ccaggcaggg accatttctg caacaaagta cattatcaca taatgagcac tcatgagcag 180
 atactgtgca gggaataaac atatcacgga ctcagaccaa agctacactg tgctcctgat 240
 ccgaaccagt ctataccctc ttactctact attatatcca tgcccacaca caagacacga 300
 ttgctataac aattttggca caaaaacatg ccaggacatt gtcaccaact caatttacac 360
 aggagaatgc gcattgaggt cccgatgggtg gatacacatg ggcatcctga actgaacatg 420
 tcatgttcag agcctacacc ctctaataa ttgcatgata cggcgccaga cataccaagg 480
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 cacatacatg tgggtccaa 558

<210> 15939
 <211> 793
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 15939

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 ataataatat aagaagaaat atttccagaa attccagaga gaaaaaatag aataaaaaaa 180
 gaaaagtgtc cgagttgctt ttcgatagaa gaaccaagag caaacaaaaa aatactatta 240
 gaaagaaaat gttgtaagtc tacgtgtacg agaagagaag ttatgacacg ccaccattct 300

ccttttagcga tatattcatt agaggctgcc agtggtgaaga gaaaaaagtc gcctaatatc 360
 atcatgacta aatgaataag aagtaaggta agaatagtcg gttgtaaaga aatatgagtg 420
 gatcttatta gcatacgggt actttcaccc cttttgcac agaaagattc tttggtattt 480
 ctatcaatat gaaagaagaa agttaaatag aagatgggga tttcgaaatg attatagga 540
 ttggtatcgg tattattgaa ttaaactggt ttgaaaaatg ctagatggaa agcttaaatt 600
 atggaacgtt ttttaaccgaa aatgaacgta ttgtgctagg agctgaagga gtcccctacg 660
 agtttgagct gaagtttgca caaagagctt tcaaagtggg ggctggattg aaaaagggtt 720
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<210> 15940
 <211> 905
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 15940

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 caaaaacaga gaaaagattt tttttacaaa aagaagaaaa acaaaacccg caaaaagga 240
 agataaaaca aaaaaagaca aaccaaacaa aaaaacaaag aaaaaaaca taagagaaag 300
 aaaaaaaaa taaaaacaaa ccgcaaagaa gacaccacac caaaaaaaaa acaaaaaaac 360
 attgaacaac caaaaaaac aagagaccaa accctaaaca aaataaaaa aaacaaaacc 420
 aagacaaaaa aagcacaaaa aaaaaaagac acaaaaaaca caataataa gtataacaac 480
 aataaaaaaa agagaactac agaacgaata agcaccata aacaaaaaga acagaagaaa 540
 acacataaaa taaaaacaat actaaacaag aaaaaaagat atgaggaaaa aaacataaaa 600
 aaagagtaaa aaaaaagaga aaataataa aacagagaaa aaaataagag aataaagaga 660
 ccaaaaaaaaa aaaagcaaaa aaaaaaaaac aaacaaaaat acacaaaaaa acgagaaagg 720
 aaaaaaaca gaacaaaaca aaaaacaaaa atctacacta agaaaaataa cagagaagat 780
 aacaaacgaa acgaaaaaag agaaaataaa acaccataac aaagtaaaaa caacaaaaaa 840

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<210> 15941
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 15941

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 tgc 183

<210> 15942
 <211> 440
 <212> DNA
 <213> Aspergillus nidulans
 <400> 15942

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 atgttgacct gcgggtgacc tacagttata taccagatga caacaggcta caatcagctc 180
 tggcatataa ggtataatag cgccagttac agacaccctg cacactgctg aaggagggac 240
 tgctgtgtga aaccagaggt ggagggcggg tgcactactt acgtaaggac taggacggca 300
 agggcggcag aacagatcag cggcgtcctg taaaaagtca caagctaggc ccagaccaag 360
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<210> 15943
 <211> 702
 <212> DNA
 <213> Aspergillus nidulans
 <400> 15943

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agaaaccatg gaaaaaacag cggacgactt tgcggaatac agcggagacg acggattaac 240
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<210> 15944
<211> 3064
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 15944

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catgagaaaa tttccttctg acggaattcg gcgttgctcg cgaagcccaa cttggcgctc 180
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 aatgcagccc attcttccat ttcattctcg gtaatcatcc cacacacagt gtacacagcc 2880
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<210> 15945
 <211> 2164
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 15945

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<400> 15947

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<400> 15948

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<400> 15951

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<213> Aspergillus nidulans

<400> 15952

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 <213> *Aspergillus nidulans*

<400> 15962

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 <213> *Aspergillus nidulans*

<400> 15963

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 <400> 15964

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 <213> Aspergillus nidulans

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<211> 2237
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<213> Aspergillus nidulans

<400> 15966

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 <212> DNA
 <213> Aspergillus nidulans

<400> 15967

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 <213> Aspergillus nidulans

<400> 15968

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 <213> Aspergillus nidulans

<223> unsure at all n locations
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<400> 15970

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 <213> Aspergillus nidulans

<400> 15971

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<400> 15972

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 <213> *Aspergillus nidulans*

<400> 15973

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 <400> 15975

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 <213> *Aspergillus nidulans*

 <400> 15976

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483

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<400> 15979

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<400> 15980

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<210> 15981
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<212> DNA
<213> *Aspergillus nidulans*

<400> 15981

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<400> 15982

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16002

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<210> 16003

<211> 888

<212> DNA

<213> *Aspergillus nidulans*

<400> 16003

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888

<210> 16004
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<212> DNA
<213> Aspergillus nidulans

<400> 16004

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<212> DNA
<213> Aspergillus nidulans

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<210> 16007
 <211> 982
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
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<400> 16008

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<210> 16009
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 <212> DNA
 <213> *Aspergillus nidulans*

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<400> 16017

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<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

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<212> DNA
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<210> 16023
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 <212> DNA
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 <223> unsure at all n locations
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<213> *Aspergillus nidulans*

<400> 16026

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 <213> Aspergillus nidulans

<400> 16028

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<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
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<400> 16058

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<400> 16065

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<400> 16066

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<400> 16068

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<400> 16075

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<212> DNA
<213> Aspergillus nidulans

<400> 16079

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<212> DNA
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<400> 16081

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<400> 16083

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<223> unsure at all n locations
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<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
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<210> 16087
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<213> *Aspergillus nidulans*

<400> 16087

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 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
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<400> 16089

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<400> 16090

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<400> 16091

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 <211> 1978
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16099

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16100

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 <211> 528
 <212> DNA
 <213> Aspergillus nidulans

<400> 16101

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 <211> 619
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
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<400> 16103

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 <211> 3125
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16104

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 <213> *Aspergillus nidulans*

<400> 16112

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 <223> unsure at all n locations
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 <213> Aspergillus nidulans

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 <400> 16122

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<211> 2739

<212> DNA

<213> Aspergillus nidulans

<400> 16125

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 <213> *Aspergillus nidulans*
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<210> 16127
<211> 468
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
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<400> 16128

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<213> Aspergillus nidulans

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<212> DNA

<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16151

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<400> 16154

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<400> 16155

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 <213> Aspergillus nidulans

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 <400> 16174

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 <213> *Aspergillus nidulans*

<400> 16176

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<400>

16177

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 <213> Aspergillus nidulans

<400> 16178

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 <213> Aspergillus nidulans

<400> 16179

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<210> 16180
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 <212> DNA
 <213> Aspergillus nidulans

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 <212> DNA
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 <213> Aspergillus nidulans

<400> 16183

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16184

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 <212> DNA
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<400> 16185

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 <213> Aspergillus nidulans

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<212> DNA
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<400> 16189

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 <400> 16190

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 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 16191

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<400> 16192

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<400> 16193

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 <213> *Aspergillus nidulans*

<400> 16197

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<400> 16198

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 <213> Aspergillus nidulans

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<400> 16200

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<210> 16201
 <211> 1508
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16201

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<210> 16202
 <211> 1126

<212> DNA
<213> *Aspergillus nidulans*

<400> 16202

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<210> 16203
<211> 470
<212> DNA
<213> *Aspergillus nidulans*

<400> 16203

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caatagaagg gagacatatt aggtcgtaat taccgctcaa tgaaagaagg aatctcgtcc 180
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ttctggccgt tcaactctgt ctctcgatt ttctcaatcg gctggtttct ttcaatgcta 420
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<210> 16204
<211> 435
<212> DNA
<213> Aspergillus nidulans

<400> 16204

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cctccgtcgc cttcatagca gcatcatgct gctcttcacc gcgcgccaac aggtcgtggt 420
agaaccaac catgc 435

<210> 16205
<211> 408
<212> DNA
<213> Aspergillus nidulans

<400> 16205

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catttgattg actatggttc gacaatagat acggtgcctc cctgcgtagg caggtgaaga 360
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<210> 16206
<211> 495
<212> DNA
<213> Aspergillus nidulans

<400> 16206

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gacagatgag gacga 495

<210> 16207
<211> 285
<212> DNA
<213> Aspergillus nidulans

<400> 16207

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tctcgcaagc ctctttcgat gatcaaactc tcgcaagaat gggttttgac tagcaatcag 240
gccattggcg tccaggccac tgagaacggt ggtgttgta ccatc 285

<210> 16208
<211> 409
<212> DNA
<213> Aspergillus nidulans

<400> 16208

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aactcagggg ctgacttcgg tctccgcgtc cgccaagggc caaatattgtc gtacggaaac 120

tacattgctg gtctgggtgt tgggaggaga cgagacgtta gcggcaaaat ggctgaggag 180

ggccgaggcg gtatcgatag ccctaactcc aaaagcacga gcggaaacgg aaacgccaac 240

tccacgccta gggccgctgg atgggcgaga tttgctgggt tgtgatttga taagatctat 300

actcagactg cactttcggc ccaatatgat tgagtgagga aagcaagcag agaatatcat 360

tgcatgtaac atggagatgg aattggaatt atttactgaa atgaaatga 409

<210> 16209

<211> 1026

<212> DNA

<213> *Aspergillus nidulans*

<400> 16209

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accgctgcca gtgccctaga tgacacagac gttgccgggtg tgaacttcaa caacttcagt 180

agagacgcat tgatgaggaa acttgcaaga acagatgaac ctgctgagcc ctccgcagac 240

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actgcgcaac ctgtcgtcga tgctgtttac agcagcttgt tttcccgaac aaaagcaatc 660

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 ctaaaa 1026

<210> 16210
 <211> 516
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16210

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 atcccttccc tggcgttgaa cctcttcccg cttccgatct tgtctcatag tttttgcatt 240
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 atcttttcat gaactgacta tacctagact tgctcg 516

<210> 16211
 <211> 567
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16211

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 ttagtccaaa agcaaaatca atgaaca 567

<210> 16212
 <211> 206
 <212> DNA
 <213> Aspergillus nidulans

<400> 16212

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 cacgtcgcga aggcagccgt cacgggagga gcgaggttca atgagaaagt caagctgcgg 180
 caccaggagc tttgctctga attcga 206

<210> 16213
 <211> 743
 <212> DNA
 <213> Aspergillus nidulans

<400> 16213

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 tcgatttgtt gtatatatttc gcggacaggt ttctcccagc gtggctggtt tgcactcatg 180
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743

<210> 16214
<211> 200
<212> DNA
<213> Aspergillus nidulans

<400> 16214

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atttccttaa gaaaggcttc tatggactgt cgtcgtgtat atgtcatggc attcatcttt 180
aattagactt gattgcttca 200

<210> 16215
<211> 200
<212> DNA
<213> Aspergillus nidulans

<400> 16215

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taagaaaggc ttctatggac tgtcgtcgtg tatatgtcat ggcattcatc ttttaattaga 180
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<210> 16216
<211> 200
<212> DNA
<213> Aspergillus nidulans

<400> 16216

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<210> 16217
<211> 200

<212> DNA
 <213> Aspergillus nidulans

<400> 16217

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<210> 16218
 <211> 200
 <212> DNA
 <213> Aspergillus nidulans

<400> 16218

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 accgggtgcc accgagcagc tggataccaa cattgggtgcg tcctggctcgt atgatccttc 180
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<210> 16219
 <211> 200
 <212> DNA
 <213> Aspergillus nidulans

<400> 16219

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<210> 16220
 <211> 210
 <212> DNA
 <213> Aspergillus nidulans

<400> 16220

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 caaagagagt cattaattgc cgccgaggag acggaggacc aggtggagag tactctcctt 180
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<210> 16221
 <211> 210
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16221

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 caaagagagt cattaattgc cgccgaggag acggaggacc aggtggagag tactctcctt 180
 ctggatatta taatccgaga gcgtacgtcc 210

<210> 16222
 <211> 212
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16222

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<210> 16223
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16223

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 gcgtcctggt cgtatgatcc ttctcccgt ga 212

<210> 16224
 <211> 231
 <212> DNA
 <213> Aspergillus nidulans

<400> 16224

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 gcgtactcgg ggcggtatgta agatgtttcc aaaacagaac tgaatcgaac gagcaaggaa 180
 gggacatcct tgctgtattc cttaggcagc gctttccacg gttgtactcg c 231

<210> 16225
 <211> 234
 <212> DNA
 <213> Aspergillus nidulans

<400> 16225

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 cagctagggg cgcccaagtc accaacttag aatatcgaa attatggatt atgcagcaat 180
 cgatagattt cggctctgta cgtcaggccc ggctgagtc gggaagcagt gtct 234

<210> 16226
 <211> 235
 <212> DNA
 <213> Aspergillus nidulans

<400> 16226

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 atagacctac agcttcgtgc tgccttcttg tcatgatatt tcatgcaagt cactgtaatt 180
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<210> 16227
 <211> 263
 <212> DNA
 <213> Aspergillus nidulans

<400> 16227

ggtggtccct tccacttccg cgctccttct cgcattcttct acaaggccgt ccgcggaatg 60

atccctcaca agaccgcccc cggtgctgct gctcttgaga ggctcaagggt cttcaaggggt 120

gtccctcccc cttacgacaa gaagaagcgt gtcgtcgttc ctcaggctct tcgcgtcctc 180

cgtcttcgcc ccggccgcaa gtactgcacc gttggcagac tcagccacga ggttgactgc 240

aagtaccagg acgttggtgc cag 263

<210> 16228

<211> 314

<212> DNA

<213> *Aspergillus nidulans*

<400> 16228

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caatggttgg attactcgaa acaaaagaca cccctttgta gtatatgtaa gagcgttggc 120

acgggaccag tcaggtgact caggcgcggt gttttttacc ctcttcagga ggttcgcagg 180

cgcaacctgt tgctaattgg gggttatagt ggagtttatc tcttgagggc ttgaacttgg 240

caagattccc ctggtcggac cgatcttttt tttactccgt acagagtgtc tcggactggg 300

tctgtttctt tata 314

<210> 16229

<211> 362

<212> DNA

<213> *Aspergillus nidulans*

<400> 16229

tccgctcctg gagttcataa attactgaca ttgaggcaca ggctttcttg gtggtgcagc 60

aagcggaagc cggacgctaa caggcgatcc tgagagaaag aagcggattg agaatgcctt 120

ccggagcttc cgtgcggaca cgctgcgaaa ggaagccgat gagctagaga agggcaagtc 180

agtcacagac gagatgttct gaggtgtaaa tcggagtgtt gaaagcagtc ttgactttct 240

gaccgattga ggaaattgat ttatgttttag cccaatatt ggtgacggct ctgtaagatt 300

atgatgtggg ggacgatctt aatcctcagt atatgtacta tatctcaaag cgcacaattt 360

ga 362

<210> 16230
 <211> 388
 <212> DNA
 <213> Aspergillus nidulans

<400> 16230

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ccccctctca ctctctcctt gaacagcact acattgacct taaaagaagc ctttcttccc   60
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ataccagaat agacatgctc agcggcccta tcgtcgccat ggtctgggag ggtaaggacg  180
tcgtcaagac cggccgcacc atcctcggtg ccaccaaccc ccttgacctac gccccgggca  240
ccatccgtgg tgacttcgct atcgacgtcg gccgcaacgt ctgccacggc tccgacagtg  300
tcgagagcgc caagaaggag atcgggtctct gggtcacccc cgaggagatc cagaactaca  360
agctgaacgc ttctggctgg atctatga                                     388
  
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<210> 16231
 <211> 414
 <212> DNA
 <213> Aspergillus nidulans

<400> 16231

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ggacgccaga accacaatca ccgcggaat aaccgtcatg cgcacgatga tgggcatcgt  180
cgtggaggat accgcggccg tggccgtggc gccggtccgc gcggccgagg aaattcccgc  240
ggaggtggcc gtggtaggac tcgcggtcgt gatacgggcc atccggcgta ctataagtcc  300
cttgatgacc agtctggaca tgaagcaagt ggtggcggtt acgacgacag accaggacag  360
agtgtcatga actattagct tctcaaattg tatttgaaat gtcataattg tctc       414
  
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<210> 16232
 <211> 428
 <212> DNA
 <213> Aspergillus nidulans

<400> 16232

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taatcacgag ttgcagtggc ggacgaaact tccgctgcgc aaagcttagc attgaaagaa   60
  
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 tgactgcagt cgaagtcaac agtttcttga aaaagcaagg tttagaagaa gagttcccat 180
 tgtttactgc agtctaccgt aagcaccgcc cccttaaacy cacactctat attcatatcc 240
 attaaactga caatctggca ggagttcttc aaggcaccat gtctgtggac gagattcctt 300
 ctttcattga gcggaatta cgacctaata tgtctccctt ctattgacgc cggttattaa 360
 ctctcaattc gtttattctt tttcaacagc aagccaattt caactgcaat taaagaatta 420
 gatgggca 428

<210> 16233
 <211> 451
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16233
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 tttcccggag ttaattgact atgaggggtc gggtagcgat cacgaaacct ggaggaaggc 180
 ttttgagtca aagtatgttc taatctttgg ctctcttggg catcttcttg gaatagatat 240
 taatccgata ttacaggatg catatcttct attctgctcg tacaatggat atcccggacg 300
 gtaagccgaa gtgggctgga atggatgaac agagcgaggc gcttgatgac tatggaaagc 360
 cgaaaaataa ggatgataat tcgcggattt aaccgtctgc gtagtggcta tgtatgaata 420
 tcaattgaat gtagttcaag aaggaattgt c 451

<210> 16234
 <211> 475
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16234
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 tgatggtgtg cggaagtcca aaccatcgca aggtcaaaa ccacgagaga acttgacgga 120
 ggagcaaaag cgaagcaatc atatacactc ggagcagaag cggagaaatc ttatcaaaca 180
 aggatttgat gatctgtgca cgcttggtcc tgggttaaga ggtggcgggt tcagcaagag 240

cgccgttctc actcaagccg ccgactgggt ggaagatatac attaagggca accaggccct 300
gaggttaciaa ctatgacaaac ttccggatct gattaccatg gacaactcga tgatgcggcc 360
acgaacatga taatcgataa tgatgatgat tctctacat ttcttactt ttcttactg 420
gaggtctcct ttttagcatt gatcaaagcg atttaccgtt cttgtcggac gcagg 475

<210> 16235
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 16235

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aagaggagtt tctgcatct gctcctacgc catctccacc ccaagaacac atgggtgctg 180
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caccgagctt tctcaagga gcccgctagt agctagtatg ttgagtggct tctttagcgc 300
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gaaaaagcct ggtgagaact gccaggcatg gccgggtaac ccactctaga agtactctgt 420
atttctggac gggacggatc tgctcaacgt acatatttct tgtgaccaa gcgtggcggt 480
ggatgctgac tggactggtc 500

<210> 16236
<211> 588
<212> DNA
<213> *Aspergillus nidulans*

<400> 16236

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accgagtata tatccagtta caaggaagtc tatagtgaca aaggtgcata gtgcgaggta 120
tcgttggtga cagcacttta ctaaaagcac ttgcttatta cttgatgtca actctgcgac 180
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tctgagcct gctgcgaagc caataagacc gcattgagcc cctccacaac ggagtccgag 300
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gccgagctag atcaagctaa ctcggaaca acgggcacaa gaatgtcaga agcacgaagg 420
 gtcccgcatc ttggacgac caagctgcat aatgctcagc atatttgaac tgcagtataa 480
 tgcagaactt aaacagaaag taactgacgt cgctacggaa tactggatca atgaattcat 540
 cgtctgtggg acgctctaca acctggtggc tactgtgcac ggataatg 588

<210> 16237
 <211> 591
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16237

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 tatgcttccc ctacacctct cgcacctgc cgactacgac cgcaccccc cgcacgccac 180
 cgtcgacctc ctctgcacgg aactcgccgt tgacaagccc atgacctcc gtgttcaccc 240
 caaggatggg gcctccttcg acgtcaagct cagccacacc ttcaacgagt cccagattga 300
 gtggttcaag gacggttccg cctcaacac catggccgc aagtctggca actaaacgac 360
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 agagctgcta atggtctttc tatgattgat atcacggagt gaggtttcga aaaattttat 480
 gaatcgcttt ctgctcaggg gatgtatcgg caacctttgg gcggactaca tggatatatc 540
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<210> 16238
 <211> 640
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16238

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 tatgggtcaa tccgagaccc agacctacgg tcagaatcta gctcaggctc aagccgatgc 180
 gcagaatgag gcgcaggccg gcaactgctc cgcttcacgt ggtcctgccg ttgggaccgg 240
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aatcctcctg tttgcttgct tctttcatga ttctttaccg gaggtcttag caataataga 360
 gtgcttatcc agtatctggg attatactaa cagtcgagaa gggccctca gagctcgaga 420
 ctagcattga cagtaccaat gcgggtgttg accaccgccg gactagttac tcgtttaccg 480
 cggcgactct ggcgcaccct aacgacaggg ccggacctga tgaatgattc tcatatacta 540
 gtaaaactgat ggcttgacga gtctcgaac tctaaaatat ctaccttagt ttgttacgcc 600
 gcttgcgat ttgaagctaa tgttaaatat atatctttga 640

<210> 16239
 <211> 651
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16239

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 atggcctgga ttcggcactc tgctgccaaag aagcttgac aacggcaaag ggatatcttg 180
 tcccgccgaa gaaacctct acaagacgag gctttatcat ttgcatccag tgcgtatggg 240
 atagaaccta gttatgcgat ggctcgggtg tcagatcatt ctagacacga ggagaagcgt 300
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 gaatgtgttg tagatggttc tcttggtccg gtcacgcaaa cgcccggtt ctgcgggctt 480
 cacatgccgt ccgacaagcc gggtagaagt cttctcgtcc aaaccagaag cggccagcgt 540
 gttgagtatc acattgctaa cgtcagctct tttgaccccc tcggagtgtg gcggtggttg 600
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<210> 16240
 <211> 667
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16240

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tggccgagta ccagctctca tggggtatcc gtggcgacaa caaccggaa tatgccaagt 180
 acctgggtta cctgttggcc aaggatctgt accctgaatt ccagcccata gacttcaaag 240
 actatcttat cgaagtcttc caggggaacag cgaaaggaat ctacacagac cgcaccatct 300
 ccaaggcaca acagcgcattg ttcccacgaa gcgagtcgac cgattcggtg cagggtcgat 360
 tcttcccagag aaccgaatcc agcgactctc tttatatgtc acgatagacg cacatccgtc 420
 gcaaatgcag gaacatttca cgaatattac gaggcgtgcc agcaggtctc agtactttgt 480
 ttttcagcat agaacaattt ccttaccaag gtttcttggg acttgctttt catttggtta 540
 tccgtctcta gattgcggcg tttggacatc acacgaggtc tattgtatca gagatctttt 600
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 aatcccc 667

<210> 16241
 <211> 710
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16241
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 agggttctac ctacgctaca tctaccgtac cggcttctca gcagcagacg gatccggata 180
 caccgatgtc tctttcgctc gacaagagga cggggagctg gccgttggtg cagcagcgaa 240
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 aagcgtttga cttggagttg gctgcttggt gatgtctgta ttgtttttta ttttogacta 540
 ttgtgattgc atcaggtttc tctctttttc tcaaacattc attgcgaggc gttcgggtga 600
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<210> 16242
 <211> 743
 <212> DNA
 <213> Aspergillus nidulans

<400> 16242

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tgtttactgt tgcattctca tgtgggtttg cgatgaatgt cattgtcagc taacgattgt 480
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gccttgctag caagttcttg aaatgagctg gctagagtgg cagaacgatc tgctggcatt 660
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<210> 16243
 <211> 747
 <212> DNA
 <213> Aspergillus nidulans

<400> 16243

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gccaggagac aggtggtgga aaggataaga atgcgttcat tgggatggcc atggcgcaag 360
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gtttactgtt gcatcttcat gtgggtttgc gatgaatgtc attgtcagct aacgattgtg 480
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 ccttgctagc aagttcttga aatgagctgg ctagagttgc agaacgatct gctggcattg 660
 ttcggaaccc ggtatgtgat tgggagttgc tgcaatctat agttcattgc gctagctttt 720
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<210> 16244
 <211> 791
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16244

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 ggaatctacc cttcacttgg tctccgcct tcgtgggtgg atgcaaatat tcgttaagac 480
 cctcaccgga aagacgatca cgttggaggg ggaatcttca gatacaatcg acaatgtgaa 540
 gtcgaagatt caggacaagg agggatttcc tctgaccag cagcgtctca tttttgccgg 600
 aaagcagctt gaggatggac ggacgctttc tgattataac attcagaaag agtccacact 660
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 agacaaagag g 791

<210> 16245
 <211> 804
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16245

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aattcgtgaa gggaaggcgc gctgggttgcg tggtgacatc ctctctgtca aggaagaagg 180
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tccgtcgtac ccagcattt gcgccaacaa cagtacatat gtcaacgcaa tcggcactgt 420
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<210> 16246

<211> 818

<212> DNA

<213> *Aspergillus nidulans*

<400> 16246

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cctccgaact cccttcagcc tcagcggccg ctgaagatcg caaagccgcc gccgccctct 180
cctccttaaa caccacagaa atcacctccg aaaccgcagc gtcagaaacc aagcagccgt 240
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gtacaaagag ccatgctggt tcaaagggga agggcgaggg tggaagtaag acaagtgaag 360
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<210> 16247
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<213> Aspergillus nidulans

<400> 16247

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tttggtttgg gatatgagat ttgtttttga attttgctg cgtggcgtag attggcgtag 780
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<212> DNA
<213> Aspergillus nidulans

<400> 16248

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<210> 16249

<211> 1353

<212> DNA

<213> *Aspergillus nidulans*

<400> 16249

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tgtcaatata agcatcagcg tcagtgtcat cttcatggtc tcgcgttcgc tctccatacg 180

ctgtctcccg cttcacctac aaaacaacaa caaaacaaca gacaccacaa gagaccaacc 240
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<210> 16250
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16250

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<210> 16251
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16251

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ggccgaggca aggccaaagga cgccgccatt gcgggcatcc tagctgctgc agggaaggag 180
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 agagatagct acgacagtta cgggtctcgt cctcgccaca agcggagcaa gagcgtttct 300
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 caatcacgag atacaaagca gattgattct gacacggatg acagtaccga tgatcgcaag 660
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<210> 16252
 <211> 200
 <212> DNA
 <213> Aspergillus nidulans

 <400> 16252

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 ggtcagtggc ctacagagaga attggaggta tgattcagga tctattgaga agggcttagc 180
 tacctacagc agtaaatttt 200

<210> 16253
 <211> 200
 <212> DNA
 <213> Aspergillus nidulans

<400> 16253

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 gttgtatacg ctccgacgca tagtcgaagt tcttagcgat aacgacatcc gctacagttc 180
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<210> 16254
 <211> 207
 <212> DNA
 <213> Aspergillus nidulans

<400> 16254

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 tatttctgtg cacgttgtgc tatcattttt ttttcaacat gttgatgaat tgcacgtcc 180
 ctgcatcaat ttcaaataac atctttc 207

<210> 16255
 <211> 219
 <212> DNA
 <213> Aspergillus nidulans

<400> 16255

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ttgtcccgtgta ccgcttgggt acataggtgg gaaggacca

219

<210> 16256
<211> 230
<212> DNA
<213> Aspergillus nidulans

<400> 16256

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caaaaacggg gcgttttctg atctactaaa tttaattcta tacgagggttc cttctcaact 180
aacggcataa cggctttctt tgcattcatt tgttttcttt tcttagtaaa 230

<210> 16257
<211> 238
<212> DNA
<213> Aspergillus nidulans

<400> 16257

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tcaccatttt gatgtgggtg ccgggtgggc ctcgatgtcg ggagagaaga ttgtcgtttg 120
cgtcgtcggc cgtcaaactt tggagatcgc gagagtcgct cgttgtgggtg cggctttcgc 180
tcttgcatg ggtgccctaa gcgagcccta actagctctt tctggtcacc gccaccg 238

<210> 16258
<211> 242
<212> DNA
<213> Aspergillus nidulans

<400> 16258

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cccagaccct gttcctttgt tgtttgatcat gctgttacga ctagaccga tttccctga 180
atagattatc tcttcggagt tggaagtaca cggataccac aatatcatca ttgtttggcc 240
cg 242

<210> 16259
 <211> 246
 <212> DNA
 <213> Aspergillus nidulans

<400> 16259

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 tccttgctcg ttcgattcag ttctgttttg gaaacatctt acatccgccc cgagtacgca 180
 tttgcagggtt gggactagct ttcacagagg atcgtaatag ctatgggaaa tagcaatgcc 240
 tacatt 246

<210> 16260
 <211> 247
 <212> DNA
 <213> Aspergillus nidulans

<400> 16260

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 attccaaagt ggctctccat taatttaagg ggcaatggag agagaagaag agtaaagtga 120
 ggcattgcta tttcccatag ctattacgat cctctgtgaa agctagtccc aacctgcaaa 180
 tgcgtactcg gggcggatgt aagatgtttc caaacagaa ctgaatcgaa cgagcaagga 240
 agggaca 247

<210> 16261
 <211> 256
 <212> DNA
 <213> Aspergillus nidulans

<400> 16261

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 accgcgaagc gctctcttac tcggatgacc ttactgatc tactgggtcg tgagaatatt 180
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<210> 16262
 <211> 258
 <212> DNA
 <213> Aspergillus nidulans

<400> 16262

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 gtgcagaata ttatattgac tcctggcagc tccagtatct ggacacagtg tctctcgtaa 180
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 tatggcttgt tataccac 258

<210> 16263
 <211> 261
 <212> DNA
 <213> Aspergillus nidulans

<400> 16263

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 gttcggcttt tgctcatgca gcaatacttg tctcgttgcc gtttgggctg gtctgggtctg 180
 catccctggc tactatgtta gccttcgctt ctttggactc ttggatagtt caaatccact 240
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<210> 16264
 <211> 294
 <212> DNA
 <213> Aspergillus nidulans

<400> 16264

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 tcttacggct catctacggg ttagccaacc tgcgcggcgt tggatgggtt tcttattctt 180
 cacggttaat ctgggcaagc cttatacctt ctttgttgcc tcacatgtca ccttgacggg 240
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<210> 16265
 <211> 295
 <212> DNA
 <213> Aspergillus nidulans

<400> 16265

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 tgctgtcggg gtcgtcaaga gcgtcgagaa gtccaccgct ggtgctggta aggtcaccaa 180
 ggccgcccag aaggctggta agaaataagc ggacattcga tttatgccgt tatgacttcc 240
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<210> 16266
 <211> 297
 <212> DNA
 <213> Aspergillus nidulans

<400> 16266

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 ctgcgcggcg ttggatgggt ttcttattct tcacgggtta tctgggcaag ccttatacct 240
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<210> 16267
 <211> 297
 <212> DNA
 <213> Aspergillus nidulans

<400> 16267

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<210> 16268
 <211> 297
 <212> DNA
 <213> Aspergillus nidulans

<400> 16268

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 ctgcgcggcg ttggatgggt ttcttattct tcacgggttaa tctgggcaag ccttatacct 240
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<210> 16269
 <211> 300
 <212> DNA
 <213> Aspergillus nidulans

<400> 16269

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 ctgcgcggcg ttggatgggt ttcttattct tcacgggttaa tctgggcaag ccttatacct 240
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<210> 16270
 <211> 300
 <212> DNA
 <213> Aspergillus nidulans

<400> 16270

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 ctgcgcggcg ttggatgggt ttcttattct tcacgggttaa tctgggcaag ccttatacct 240
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<210> 16271
 <211> 301
 <212> DNA
 <213> Aspergillus nidulans

<400> 16271

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 taggagtttt gacatctcta gagagactgg cgaaaacatc ggctaataca ggtgttgtgt 240
 tgtagaccac ttagaacaca ttgtgattgc ctacaaatat cgataatagc atctttatgt 300
 a 301

<210> 16272
 <211> 316
 <212> DNA
 <213> Aspergillus nidulans

<400> 16272

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 aagtcgaact atcttgaagg ctgcttgctg ctgggaatgt aagtactatt ctattattct 180
 aaagatttcg ctgactggta taggtacttg attttggcgc tggcgttcta cgtgtatcca 240
 gacaacgtga atgaggatgc gcttttccac gccttgaaat agtggcactt ctggaaccct 300
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<210> 16273
 <211> 330
 <212> DNA
 <213> Aspergillus nidulans

<400> 16273

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 aggaggatga tagtaagcat agctcaagga gattagttat tggtgcggat gcgcacgggt 180
 gcaaggagga gtgtgcgtat accccagtct ctttaccat tattttggtg gcgctgacat 240

ctaggcaaac agtggaaaaa ctctcgaca agtctcctt ccaggaagaa cgcgaccacc 300
 taatcttacc ggcgatctca ttgaaaaggg 330

<210> 16274
 <211> 332
 <212> DNA
 <213> Aspergillus nidulans

<400> 16274

cctcggcgct caggttgtca tgagagactg gagcgaattc cctgaatgcc tcaagaagat 60
 cgaaggcgag gatgcttccg tcgcttctct ttaagttgct ttccaagttt cggttctaca 120
 cgatgtcacg acagcggggc catttccttt cttcaatttc gggatatttc tttcagtttt 180
 ctgaagatta ctctacaaac atgctccgc actttgcttt taccaaccgc gggagacggg 240
 cccgctctcc tttttggggc caagtcttag caggagagcat atctgcgctc ggccttttac 300
 atccagattc tttcgggtgg gtagacgaat ta 332

<210> 16275
 <211> 337
 <212> DNA
 <213> Aspergillus nidulans

<400> 16275

gccaaagtata atcatcgta ctaaggggtc tgctgagctg gttgtcgaga aagagacgaa 60
 attggaggcc catgaggggt cagtatggtt tgttgggtcc ggtgtaccgc tggatattct 120
 gtccaaggag ggggcggacg tgtatagggc ctatgcggag taacggccac aacactgcaa 180
 aggacggtta tgaggtgatt tgatggataa ttgcatgta cagactacag aatacgagag 240
 tacaagattg attgcaggat gtctacgtac atcggccgaa atactgtagc tcgatccatg 300
 tccaacagcg ctaaactgaa acaagctaata tatccca 337

<210> 16276
 <211> 338
 <212> DNA
 <213> Aspergillus nidulans

<400> 16276

cagcgcctc acgtcatcgt tctcgacgaa ccctccaatt acctcgaccg tgactccctt 60

ggcgcccttt ccaaggctct gaaggccttc gaggggtggtg tcattatcat cactcactct 120
gccgagttca ctcagaacct taccgaggaa gtctgggctg tcttgacgg aaagatgact 180
ccttccggtc acaactgggt tactggtcag ggaagcggtc ctcgtttgga ggagaaggag 240
ggcctgatg agattgtcga tgctatgggt aacaagatca aggttgagaa gaaggccaag 300
ttgagctctg gtgacaagcg aaaacagagg aaggagcg 338

<210> 16277
<211> 345
<212> DNA
<213> Aspergillus nidulans

<400> 16277

ctgacaatca gtctacaata ggcgttaagt catttgacgt gaacctttat tctcagacag 60
catgcgttgt caccgatgcc tctgtgccgt acgagacggg tctcgcgaca atcaagaaga 120
ctgggaagac cgtgaatgcc ggagaagctg acggcgaggc caaggatgtt tgaataatat 180
gattgcctag atataacagt gggatccgac agctatgata gattgggtga aactgtttaa 240
ttagcgatcg atatggtcat attcgtgaag ctatgacagg aggcatacac acgccacaca 300
caatcatagg gtatatgca cttgataaaa ggatgttttc ttgta 345

<210> 16278
<211> 350
<212> DNA
<213> Aspergillus nidulans

<400> 16278

tcgcggcgga gaagaagggtg acgagcaagt tgcttgagca agacacatct gcagagaagc 60
tttacacatt gaacgagtac gtattgtctt tgggttttag gatttgaggc gttcatcatc 120
ggctgatttg cttgcagtaa catgatttgt gctgtcgccg gtatgaccgc cgatgcgaac 180
atcctgatta attatgctcg acaagcagcc caacgctacc ttattaccta tggcgaagaa 240
attccttgcg agcaactcgt ccgcagactc tgcgacttga agcaggggta caccacagc 300
ggtggtctcc gtccgttcgg tgtttcgttt atctacgccg gctacgatca 350

<210> 16279
<211> 357

<212> DNA
<213> Aspergillus nidulans

<400> 16279

gcccattggcc cctctacctt ttacaaaagt gagctcccca tcaagtcgca gttggagatc 60
aatgtcagta tccgctctag tgcaagaagt ggctaacaca gctacagtga agatgggtgc 120
gctgatggga tcaagtaagt agctctttct cctggcttgg tcgacgaaat cgctaataac 180
tttacttgca gctgttggcg gtatcatggg attcatcatc ggtagtctt ttgatatac 240
ggccttagcg gagtactcat cgggattgca ggaactgtca ccatctttca atatggtgct 300
ggacctaacg gcgttatgcg aacactcggc aaatacatgg ttggctctgg agcgaca 357

<210> 16280
<211> 372
<212> DNA
<213> Aspergillus nidulans

<400> 16280

tcgacctcaa cagccgcaca gagacaagat gaccaagcgc actaagagtg agtatagcca 60
cggaattttt gttgaccttt tgaacagaaa aattgaaaac agaagctgac ttgcttcgca 120
gaggtcggta tcaccggtta atatggtacc aggtatgctt tagccagaaa ccctcccacg 180
actccggatt gaatcgagca cgactttttc gttcacatca cggcgaaatt tggcgcttcg 240
ataatcaaac aacaagcgat tggacatttg attgactatg gttcgacaat agatacggtg 300
cctccctgcg taggcagggtg aagaattggg aaagtgtccc agcacgcccg ctacgtctgc 360
accttctgcg ga 372

<210> 16281
<211> 377
<212> DNA
<213> Aspergillus nidulans

<400> 16281

tgcgagcaaa tactgatacc aaatgctaca ggtaacggca ccaagacccc cgggtcccga 60
gcccagtctg cccttcgtgt ctcgcccgtt ccggtatgag aatcggtcgt attgaggacg 120
tcacccttac tccttcgac tctactcgtc gcaaggggtg tcgccgcggt cgtcgtctgt 180
aggtatgtgc gagtctgcag cgcgcata tttgtcttgt attccggttg gcagagttat 240

ttacgccatg tggctggact ttatgggaca tggatttgct agctaggctt attacctgct 300
 gaatgtggat ggaataaacg cgaagaacgg caattttgcc tggctctcaa cttatcatgt 360
 ccaatatatg ataaaaa 377

<210> 16282
 <211> 380
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16282
 aggaacataa aataattctt atccaccaac agcacatttg tctattcctc ttacacaga 60
 tcaaaccaca gaccaactac agggacaagc caacccaac actacacagt gttgccagca 120
 agccggcgct gcgggtacca catcaggaag cagtagcacc agcaacaccg gtcctgcat 180
 gacgaccagc tttgctcaga gcagctttcc cttcgctatg gatgcacagg gttagcggtt 240
 gagcaaagag gagggcgatc ggctctatga agaactgatg gaggacgagt atgcaaagag 300
 agaaggcggc gcttaggtca ctttactct gtctttacag ttgctttgat gattatgcta 360
 ggctgcttc acaaaggact 380

<210> 16283
 <211> 380
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16283
 gctggccggc ggcttacata tgagatccac ttagtgatcg accgatccat accacctgca 60
 ctcaacctga gtcaccatg attgtctgcg aaaaatgcat tggcatggca cagacgaagc 120
 cgacatatca gtactcgtgg caagtgcctg gcggagggtg ggagcgggtg gagattgacg 180
 gatgctgggc gtatatgagg aaggagagac gtgtagttat tcccgggtta tttctttaag 240
 gattttcggg gcaactgagt gtggctatct gaactatgtc tcaacgccat ggggtggtgt 300
 ggggggtctc tctgtaccct gaacaatgaa atcgtgcac cttgtatagtc tcatcaagcg 360
 gattgcaggt aacgatctct 380

<210> 16284
 <211> 382

<212> DNA
<213> Aspergillus nidulans

<400> 16284

ggatcatgatg accggccggt gtacaacgga atcgagcctg atagtgaatc ctatcctgga 60
ggaatgcagc gcaggccgct ctatggaaag atcttctctt ctcgatggcc ccgaccagat 120
ggcttataag cgggccaacg ggcggatggt ctcaaagcct gccaccatgc gttaaaagaa 180
ttctgccggc gtttatttgt catagtctct ggccgggttct ggtataggga acggcggtact 240
ggcgaaaaga tcatgctttt gacaatcagt ttcttgccgc ctgaaataag gtccttttga 300
tttatactcc cacattaaag gtccaacggt ataccttgct cttactcttc gaaagttgta 360
tatgatcctg cctatacggt cg 382

<210> 16285
<211> 389
<212> DNA
<213> Aspergillus nidulans

<400> 16285

atgctagcta gacggatata tagcgagatt gagaaacaac atgcaactgc cggtgctggg 60
taataatagt aaacagtaaa tgctccagac aggctaaata accctgaggg taatggagac 120
cagcaaaagg gtatcaaagt gtccggagac tggggatatca tagaattttt ttgagaatgg 180
tttggtgttt caaatcagaa caggtagaag tgaccgcccg gtgagctgga caggtcgggt 240
tgaaaagaag cgaagcgacg gattaaaggc gtagaatgtg atgtcgaata gaagatgaaa 300
gtgagagatg gtgatctgac agaggaaaac gaatgagtga gaatgaagga aatcagagaa 360
cttttggtgg tcgtaaatcg tcgtgatca 389

<210> 16286
<211> 390
<212> DNA
<213> Aspergillus nidulans

<400> 16286

ggtcaggacg gtgcagaaca ggaatgtacg atctgcatgg aagagtacga agtcggggcag 60
tcgctggtcc gcctagagtg tctctgtaag ttccataaga ggtgtattgt ggagtgggtt 120
gaacggaaga gagagtgcc gtacacaaaa catcctagca gcctctcgct gtccatgttt 180

gtgcttgtgc ggtgcatgca cgttgacttc accttgggtct tttggctaca tgatccccctt 240
 tacgtttcag caggcgTTTT cttttgattg ctttgacaga gcctctccct tgacagtttc 300
 ttttctgctc tccaagttgg cgtttcagat gggcgtggca tattcggcat ttgattgcac 360
 tcagttaacg aagaattatc gcattagaca 390

<210> 16287
 <211> 393
 <212> DNA
 <213> Aspergillus nidulans

<400> 16287

gccggccttg acgatgagga cggctccatg aaactgcgcc gcatgatcta tatatttgac 60
 agcatgtcag ccgtcgaatt ggacagcgac ggcaagatct ttgacacaca gccgagccga 120
 atggttcgta ttgcccattg tagcggcact tcagtgcgcg aagttgagga tctcctgtca 180
 caacaccgca tgatggccgg gatggcgaag cgtgtcggtg gccagaagaa gcaaagtcaa 240
 cgagcacaga atatgctcaa ggggtggcaac aaggatcaac agcttgctgc tatgcagaag 300
 cggatggcct cgatgggtgg agctgggtggc atgggcggca tgcccggaat gggcgatatg 360
 gcgaagatga tgcagatgct gcagggccaa ggc 393

<210> 16288
 <211> 395
 <212> DNA
 <213> Aspergillus nidulans

<400> 16288

cgctcaagta accggcgcaa ctgacttcaa tgttctccaa aacaatggtc gtattgcgca 60
 ccaggttggt gatcatgtat gttgcacagc tccatcacca ctgtactgtc ctaatcgttt 120
 ccaaaaacct aatgaacgct tttgcaggtc cacttccaca tggtagcttc agctactggt 180
 attcatttca ctgtactaaa ccttactttt acagatcccc aagcccaacg aggaggaagg 240
 ccttggaatt ggatggcctg ctcaggcaac agacatggac aagctcaagg agtactacga 300
 gtcgatcaag gctaagatgt gaagtggcag cctgcgcatc cttgtacatg tgggcatgcg 360
 tatcctgtag gtacttgagt ctatgtgccc gggag 395

<210> 16289
 <211> 395
 <212> DNA
 <213> Aspergillus nidulans

<400> 16289

cgctcaagta accggcgcaa ctgacttcaa tgttctccaa aacaatgggc gtattgcgca 60
 ccaggttggt gatcatgtat gttgcacagc tccatcacca ctgtactgtc ctaatcgttt 120
 ccaaaaacct aatgaacgct tttgcaggct cacttccaca tggtagcttc agctactggg 180
 attcatttca ctgtactaaa cttactttt acagatcccc aagcccaacg aggaggaagg 240
 ctttgaatt ggatggcctg ctgaggcaac agacatggac aagctcaagg agtactacga 300
 gtcgatcaag gctaagatgt gaagtggcag cctgcgcatt cttgtacatg tgggcatgcg 360
 tatcctgtag gtacttgagt ctatgtgccc gggag 395

<210> 16290
 <211> 397
 <212> DNA
 <213> Aspergillus nidulans

<400> 16290

gcgaatctct cgcccagcaa attctctgta acgtgttccg ataggcagct tcctcagaat 60
 caagcattcg agatttggat cttcccgcgc gcgcttggat tccacgggtg gtataacttg 120
 acattgagcg cttggctaata cgccggagtt gaactccggc tcaatcgcag attcgaacag 180
 acgcagcagt ccccatTTTT gaaaaggat ctcaatcaaa agtactatgg gcttgtttcc 240
 tcattttctg ggcgcgaccc gcaagagtgt ctggatgctg agactgagct ccggaaaagg 300
 aatggcagga ttggcaatgg tgacagaagt aacccccgt ctcttcccag ctgtaagcct 360
 gatgtctgac aggtttgaca ggtggctcgc cgttggg 397

<210> 16291
 <211> 397
 <212> DNA
 <213> Aspergillus nidulans

<400> 16291

cgcttcccaa tgcttcaata acggcgcaaa cccgtccaca cacttaagac gtcaagaacc 60
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tggtgcgacc catcatggaa caaacaatgg aacggccgat gatggacccg gacggaaatg 180
 ggacgatcaa ctcaaggag acctatatac acagctcgtc atcagcttgg cgtaggaat 240
 aactgcgttt ctatcttttt gtgtacgtgg aatcctttgc gtgaatacaa cctcggtgcg 300
 caaaggacta agctaataat gattcgtgag gtagtttttg cggcccaaat ggacagagtt 360
 atacgcggt cgaaggcgac aacgtcgcgc cgcacta 397

<210> 16292
 <211> 412
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16292

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 ctttgacgtc tcaattgagc aagctcgctt tgttttctcg ttgttttccc gttgctttct 120
 tcctgtccct gaatttgat aaaagtatcg gagcgatgtc cgacctgtta ctttatccgc 180
 gtttgtttgt' cccagcctg gacacgcaa tatggctgtc gaggtgttgg tattctcaca 240
 ccatttattt cttttcttca tctgttgca accttcagag ttttttatgt ttcctcatga 300
 cccaaacaat gtaccctcc ctttcgcct cgactgactg ttacccttgg cgacgattga 360
 tttatgtgtt ttattagtga tgtggccatg aactcgactc ggctgaaggc cg 412

<210> 16293
 <211> 417
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16293

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 cactctgatt tgacctctgg acttgcagcg cctgtgcagc cggctctagct cgactgatca 120
 acgcctccat ccactaccac aatacagata ctttttgggt ccaggggcca aatgcagagt 180
 tctcgtacgt tgcaagacaa cgaaccctca gtccacagcc ccagccgcag tgctaacaat 240
 cattcgcaga atagtcgaga tgaacgttgc cattattgtt gcgtgcgcca cctccctgcc 300
 cacattcttt acccaggtgc gctcactcgg cgggtcaatc tacgactcgg ccgtgtctct 360
 gctacatatt tctcgggagt cggcgtcaaa gaggacttca ggctctctaa cggagga 417

<210> 16294
 <211> 435
 <212> DNA
 <213> Aspergillus nidulans

<400> 16294

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 cgtcaatgga ttcaactctcg agaactctct gggcgagttc atcctcacac accccaacat 180
 gaagttgccc ccagcccgcg cgatctactc cgtcaacgag ggtaacagca tgtactggga 240
 cgactggtgc aacgcctact ttgactctct taagcgctccc ggtgagggca agaagcccta 300
 cagcgcgcggt tatatcggtt ccatggttgc agacgcttac cgtactctgc tctacggtgg 360
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 gtgtgcgccc atggc 435

<210> 16295
 <211> 447
 <212> DNA
 <213> Aspergillus nidulans

<400> 16295

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 taaaacactc atagttcttc ttgcctttgt tgtctgcggt ggacttgtat ttgagttgct 120
 gaggatcggt ccacaattgt ggtccgcaat cgcgtctgtt ttcaaccgac tgctggcgta 180
 gatgctcctt tctctcagac tggctctgcg aagcaacagc tggcttataa aattatttat 240
 gcatttgcac ctctatgcct tgtaggggt gaaataaatg ctactctccg aaagaccggc 300
 aaatatccag ccgtcactat gactgagccc tacgtgaaca gaggcgggtc ggacccttga 360
 acctctgaag ccagctgag tacaaggaag gcatcgatta aaaatggcat atcttgaaag 420
 taaactctgt gtatatttgt cttctca 447

<210> 16296
 <211> 448
 <212> DNA
 <213> Aspergillus nidulans

<400> 16296

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cgtgaccggc tcgctgtcct acagctccaa cgaactgacc atcgatgtcg acggtgctga 120
ggctgccaaag atcgagactg tcgggggtca gctttccaag ctctccaagc gcaccagggc 180
gtcctcctgc tcgggcactc gtgctaccgc gctccagaca gcccttcgga acgctgcttc 240
tctcgcttcc cgtgccgcca gtgcggccag ccagggaggc tcaaccttca caactttctt 300
caagagtgcac tcttctctta cacggaacgc cgtcgctgct cgcctccgcg ccgttgcatc 360
cgagtcctcc agtacctcta gcggatccac tacgtactat tgtactgatg tgtacgggta 420
ctgcagcagc aatgtccttg cttacacg 448

<210> 16297

<211> 448

<212> DNA

<213> *Aspergillus nidulans*

<400> 16297

ctctggcggc cccgtcacta tccgctctga gggcattgtc cccctgggtca ccgaaaagtc 60
cgtgaccggc tcgctgtcct acagctccaa cgaactgacc atcgatgtcg acggtgctga 120
ggctgccaaag atcgagactg tcgggggtca gctttccaag ctctccaagc gcaccagggc 180
gtcctcctgc tcgggcactc gtgctaccgc gctccagaca gcccttcgga acgctgcttc 240
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caagagtgcac tcttctctta cacggaacgc cgtcgctgct cgcctccgcg ccgttgcatc 360
cgagtcctcc agtacctcta gcggatccac tacgtactat tgtactgatg tgtacgggta 420
ctgcagcagc aatgtccttg cttacacg 448

<210> 16298

<211> 450

<212> DNA

<213> *Aspergillus nidulans*

<400> 16298

ccgccaacgc tcgcagaact ccctcaaccc ccagcggggc gaacagtcac ggtcagcaca 60
agtccagcgt tcccaccacg ctcgacgtgg acgaaacatg ggatgattgg gatagcacac 120

cgcagccgac taaaaaatcg catactccct ctctgagccg ctccactatc gagtcgaggg 180
 aggaccagtc gctgtgact caagcgagta gtccacgaac aagcaccagg taggttggct 240
 gtagatttaa gctgtgagag tgaagtaatc attctctcga tgcttacctt ttcattgtgca 300
 tttctaactt acaatcccag ctctggcgac tggcaccacg acatccccga cccagcgtc 360
 tcagacggca ttccctggcc tgctctaaca caagccgcgc ctccaaact caaccgaaca 420
 gcctcgaatc tcatggcaga atgggagcgc 450

<210> 16299
 <211> 456
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16299

ttaccgttga ggacagtatt tctggtgctc tgagtgaat tcgcgccaag attgcagtca 60
 ttggctacgt cggcagctac accactcagg agaagcagga agaaatggcc aagcgtctca 120
 ctgacctcgg cgctcagggt gtcattgagag actggagcga attccctgaa tgctcaaga 180
 agatcgaagg cgaggatgct tccgtcgctt ctctttaagt tgctttccaa gtttcgggtc 240
 tacacgatgt cagcagcgc ggcgcatttc ctttcttcaa tttcgggtat ttcatttcag 300
 ttttctgaag attactctac aaacatgctc ccgcactttg cttttaccaa ccgcgggaga 360
 cgggtccgct etcttttttg cggccaagtc ttagcagga gcatactctgc gctcggcctt 420
 ttacatccag attctttcgg gtgggtagac gaatta 456

<210> 16300
 <211> 461
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16300

tcgcgaccgt attgtcgagg cccgggaaga actgcaacgc atgtgaacga ggatgagctc 60
 cgtgatgccc ttttgcttgt tttcgccaac aagcaagatt tgcccgtag caccaccttg 120
 acctggctga taaacattag atgctgattc gaattttcct agaacgccat gagccccgcc 180
 gagatcccc agcagctcgg tcttcagagc ctactcgtc gccctgggt aagttgacct 240
 gatcattctg gtttatcatc gatatttaac acatttctag tacatccaat ctacctgcgc 300

caccaccgga gacggtctgt acgaaggact tgaatggctt gccgagacgc tgcggaagac 360
 tggccgcgac taattgcggt agttgtgatg aatggataga tacctgaact tttgactggg 420
 agttggggat gatggatggg gaactggggg ccgacggaca c 461

<210> 16301
 <211> 465
 <212> DNA
 <213> Aspergillus nidulans

<400> 16301

ccatccgacc aacactctgg ctctgagaac aattcatccg ctcaggacac aattgacacc 60
 actaaaccgc tttccccgca ccagggcacc atcaacccaa acgtcgacga ctctctctca 120
 acttggaact ttgtctacac gcctgagcag attgatgcgg ttgtgggact ggctaaggcg 180
 aactttgcgc agggcgagca gcaggttaag cgggttggtc gggcagttta tgagcggaag 240
 aagaaggatc gcttgacagag ggaggaaaga atgcatggtc cgcataagac ggggctggtg 300
 ctgagttgat tagataactt gccattcggg tgagctttcc tcttcttttc tttgttgcac 360
 cattagcggg ttgacctgga cataatgtac ggactttacg atatatgata gatttagaca 420
 taaagcagac atgcctaccc cttgccataa tatattgcta gggaa 465

<210> 16302
 <211> 477
 <212> DNA
 <213> Aspergillus nidulans

<400> 16302

agggctcggc gtcctcaatg tcactacta ctctggatct ccgaaagcgt tgttcggacc 60
 ataccgatc gaagacaaac attttttctt tctattttct gcgatttata ttcttgggat 120
 ctctgtgatg tttgacgcc tacttttttg accttttggt gcatttgggt tggacctgac 180
 gaatgggcga gggacggcaa ctgtgttacg attaactgat gaaacgactg acatggttta 240
 tgaaccgaaa tgtcctttta atgtctgatg atacttcttt actttttatt ctctctgttt 300
 ctggacagcg gggctgccac actgggtggg cttttcattt ttaccctacc ttctctctct 360
 gatcttcac attttcttt gtttgcatt atatactccg acagggtcac cttttgcttt 420
 gctttgcttt ttcttttttt ttctgcaccg gaaaaccaat ccggcctgct cgctct 477

<210> 16303
 <211> 478
 <212> DNA
 <213> Aspergillus nidulans

<400> 16303

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 gcgaaacggc ttctcgatat cgtctacctc aacctcctcg cactcgccgt cgaactcgca 120
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 cctcccctac cgccgtccca gcacagcgtc ctcccagccg cagtcgcagt cacaaccacc 240
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 ctcaacaacc cgcaccgaca ctccaacacc acgcccctcc tttgaagaaa ccctcgagct 360
 tcagaacgcg ctgaaccgcg agcagagcct ccgcaaggca gcagagacca acttacgcag 420
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<210> 16304
 <211> 484
 <212> DNA
 <213> Aspergillus nidulans

<400> 16304

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 tcgggttcgg acgaaggatt tgtccgggcc ggctcctcgc tgattcgagt attttcttga 180
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<210> 16305
 <211> 500

<212> DNA
 <213> Aspergillus nidulans

<400> 16305

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<210> 16306
 <211> 524
 <212> DNA
 <213> Aspergillus nidulans

<400> 16306

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tggacatttc cgagctctac tcctgggac accctgaccg caagcccaaa ggccaacaaa 480
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<210> 16307
 <211> 535
 <212> DNA
 <213> Aspergillus nidulans

<400> 16307

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gcacgcacca agcggcaaac taactacaca acccaacgcg acgagaacca caagcccat 360
gctacgtaac taactcgaat caaacacaca gggtcacccc ctcccctcac attggcggct 420
ataccatcaa cgacgctacc aagctgtgag tgctatatcc ccaaggatcc gatcaaccgc 480
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<210> 16308

<211> 536

<212> DNA

<213> *Aspergillus nidulans*

<400> 16308

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cggttgtggt gtgacattca agtccgtgag gatttggttc ccgctgcgga cgaccgcaaa 180
gacgacaaca acataatttc tagcgaaaag acccctgagc ccgccgcggt taacaattcc 240
gacatctccg agagtcatat ggtcttccct aaactggaca aggagtcacc agcagcaagc 300
acacatgagg cggccaacgt accggccacc gctccctctg tgactgacgc ttctgagcgt 360
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ttcttgactg atgaagaata tgatattctg gatgctagtg atcaggagtt tttggatgcc 480
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<210> 16309

<211> 544

<212> DNA

<213> *Aspergillus nidulans*

<400> 16309

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cgaagaatgg agcgaacga cacctgtatc tgccggacaa cggctacact gcacccggac 480
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<210> 16310
<211> 555
<212> DNA
<213> Aspergillus nidulans

<400> 16310

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cgatcccaat gatccagaat cgcagaggca gaatttcac ggaagcccgt ttggtggagg 180
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cttttgccgc gtatcgcttc cagctctgcg aggggcttca gtggcatagc tgcaggcatt 480
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<210> 16311
<211> 557
<212> DNA
<213> Aspergillus nidulans

<400> 16311

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gcccgccatc ccttccttgg cttatTTTTT gggttctggg ctctcatctt gacactgggt 180
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<210> 16312

<211> 563

<212> DNA

<213> *Aspergillus nidulans*

<400> 16312

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gaacctgagc catgtggcta ctattcggat caacattata cctactgcca acatactcac 180
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tttatctagc atgctgttca tat 563

<210> 16313

<211> 576

<212> DNA
 <213> Aspergillus nidulans

<400> 16313

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ctgctcatgg agagctttac cttgacgatg gcctgtcgca ggtgcaggat aaagtctccg  180
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caggcgctcg aatcgagcgg attactattc tgggtgtggg ggccaagccc gaggtggcgg  300
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gagaggccat caagttgctt gctgcctact tagcctagtc aggcttgga gattgcgcac  480
acctctgggt aaggcagatg ttccctgatc agtggagcaa ccattgcccc cgttccactt  540
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<210> 16314
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 <213> Aspergillus nidulans

<400> 16314

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aatcttcgag agcaatcgtg cttgggttgc ttcgaagaag ggcgctgacc cagagttctt  180
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cccttactcc tacagacctg ggcatactca acccggtggc gcgaaatatt cgcgacgtct  540
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<210> 16315
 <211> 584
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16315

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 tggtcaccga aaagtccgtg accggctcgc tgtctacag ctccaacgaa ctgaccatcg 240
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 ccttcacaac tttcttcaag agtgactctt cctctacag gaacgcgctc gctgctcgcc 480
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<210> 16316
 <211> 588
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16316

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 ttttactgag acgggcatta ttttccctgc tgcttggtgt cattatcaat gttctatatt 540
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<210> 16317
 <211> 601
 <212> DNA
 <213> Aspergillus nidulans

<400> 16317

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 aatgagttat gatgatgata ccaaaagtgc aacatatggg ttcgggggta tattagagat 420
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<210> 16318
 <211> 615
 <212> DNA
 <213> Aspergillus nidulans

<400> 16318

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gaggagattg agaag 615

<210> 16319
<211> 615
<212> DNA
<213> Aspergillus nidulans

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<210> 16320
<211> 631
<212> DNA
<213> Aspergillus nidulans

<400> 16320
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<210> 16321
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<212> DNA
<213> *Aspergillus nidulans*

<400> 16321

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<210> 16322
<211> 636
<212> DNA
<213> *Aspergillus nidulans*

<400> 16322

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cactgcagaa caggtatttc aaagcttccg agaggtcgca gatggcaagg tatgtacttt 180
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 agcgtgtgat ccgttcttaa tcaattttat ggtctttctt taaattaccg tcttgtttgt 480
 ggtatagggtg ttgattggta ctcaatggcg ttggcgatgg ccatctttgc attgtgatat 540
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 aatccgaaga tatgaagcag taattcccac caaaaa 636

<210> 16323
 <211> 639
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16323
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 caacagctag ctcagaagat tgggtgatatt gagcaggagg ctgaggagca caagtaagcc 180
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<210> 16324
 <211> 647
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16324

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<210> 16325

<211> 661

<212> DNA

<213> *Aspergillus nidulans*

<400> 16325

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cccgttccca agggtgccac tacggatatgc attcctcgaa tacttcatat ggcacagaga 240
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ggggcatttg ctaatgtaga tctcatatag caccgcgagg ctctgtgtct cacctctacc 600
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<210> 16326
 <211> 665
 <212> DNA
 <213> Aspergillus nidulans

<400> 16326

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caatgtaaga tacggcggat actcgttgct tgcgatgact gactggagta ataggtgttc  180
gaccacaccc taccaccaca tctttctttc cacctgtcaa ttgcagactc cgcgctgggtg  240
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acggatatct agctaagcat gataggaacc ttgaccttc ctgaactact ggagtcgctg  600
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<210> 16327
 <211> 680
 <212> DNA
 <213> Aspergillus nidulans

<400> 16327

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agaagcaaca tcccgcgaca ccggaggggtg tgcagcgcg c aagagaggag tacgatgcag  180
agcttgcacg actggtctta gaggataagc cggacttggc cgctgtttg gggttcatgc  240
atgtgctttc ggagggtttc ttggggcctc ttgaggccaa ggggtgtaga attgtgaact  300
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<210> 16328
 <211> 682
 <212> DNA
 <213> Aspergillus nidulans

<400> 16328

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 acctcttgca gcttgcagaa cctcgcccta cttgccactt gtgaacgctc ccatggaacg 180
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 gattatatag aggtcccttc ccgagtacac cgtatgtctc gcattccgca aagatatctt 600
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 gccattaca aatcttgga ac 682

<210> 16329
 <211> 694
 <212> DNA
 <213> Aspergillus nidulans

<400> 16329

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 tgaaagcgtg gggagattac agctaacatt tgataaagga aaccgccaag ctgagggcc 360
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 cgtgggtccg ctacgagggc caggtcaagc agcgccagca gcgtgagctt gctgagaccg 480
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 ctgacatctt ttgaccagcag catcatgtcc tccaaggctc agtaaattga gtttgcttgg 660
 tagccctgct atcgactcat gtacaaatta agac 694

<210> 16330
 <211> 698
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16330

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 ttcgaccatc aacagcaatt tatgcaaacc agcgaactag ctattgcaca aagtagcgcc 180
 cttggagaac tcaatcgttg cgggtttgtc gactcccaag agcctcttta gagtgccgag 240
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 atgctccggt gagttctatt ggaaaatatt ttatacatgt ctttgactga atcaaacagg 540
 aagcacctga gagaacatat caaacctgtc ttgtgcagcc tgtgccctca taaggctggc 600
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<210> 16331
 <211> 731
 <212> DNA
 <213> Aspergillus nidulans

<400> 16331

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ttgtacataa a 731
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<210> 16332
 <211> 736
 <212> DNA
 <213> Aspergillus nidulans

<400> 16332

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cgaggaattt atcaatttga gcgaggttct cgatgaggag cgtaaggaag tcttcatgca 300
gacgctggaa ggactcaaag aagagaaaga acaaggcaaa ctacgtgctg cagcactaca 360
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gaagaacctc aaaaagccgg agaagcctga gactcgggcg agacaatcac gagcgtggc 660
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ttcttgaggt tgctgc 736

<210> 16333
<211> 739
<212> DNA
<213> Aspergillus nidulans

<400> 16333
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<210> 16334
<211> 759
<212> DNA
<213> Aspergillus nidulans

<400> 16334

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<210> 16335

<211> 765

<212> DNA

<213> *Aspergillus nidulans*

<400> 16335

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 gcccggtca gtgcgcgaga aattagaagc ggagattgat cggatccgta agtctaagag 720
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<210> 16336
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16336

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 cgtcattgta aggtgtaagt ccaggtgatg tctaggatag atatcctgag acacagaaac 720
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<210> 16337
 <211> 813
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16337

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<210> 16338
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 16339
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16339

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<210> 16340
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16340

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 aaaaagaggg tacaatatg aagcggaaaa taaagaatcg aagaaaaaag caataagaaa 180
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<210> 16341
 <211> 885
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16341

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<212> DNA
<213> Aspergillus nidulans

<400> 16342

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<400> 16343

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<400> 16344

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 <400> 16345

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<210> 16346
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 <213> *Aspergillus nidulans*

<400> 16346

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<210> 16347
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<212> DNA
<213> Aspergillus nidulans

<400> 16347

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<212> DNA
<213> Aspergillus nidulans

<400> 16348

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 <400> 16349

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<400> 16350

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<400> 16352

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 <212> DNA
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<400> 16353

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<400> 16356

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 <213> Aspergillus nidulans

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<400> 16368

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 <213> Aspergillus nidulans

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<210> 16373

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 <213> Aspergillus nidulans

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<210> 16376
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 <212> DNA
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<213> Aspergillus nidulans
<223> unsure at all n locations
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<210> 16380
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16380

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<210> 16381
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16381

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<400> 16382

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<210> 16383
 <211> 244
 <212> DNA
 <213> Aspergillus nidulans

<400> 16383

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<210> 16384
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<400> 16384

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 ccaa 244

<210> 16385
 <211> 245
 <212> DNA
 <213> Aspergillus nidulans

<400> 16385

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 tgagcatgca agtatacagc ttaagaatat gtattatact tgccttacag ataatttata 180
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 tgctg 245

<210> 16386
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16386

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 caatgatata ggctcttcca ctctctcgcc tcgtcctcca cataatcacc gaccaactcc 180
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<210> 16387
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 <213> Aspergillus nidulans

<400> 16387

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 cttcaagttt ctgcatctgg ggtgagcctg gtttccagac cttggggatt ttttgctgga 180
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<210> 16388
 <211> 253
 <212> DNA
 <213> Aspergillus nidulans

<400> 16388

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 tccagcctat aactgtaatg atgcaaattt taatggctgc gacgaggcct gggcagtcac 180
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 atatactcaa gac 253

<210> 16389
 <211> 256
 <212> DNA
 <213> Aspergillus nidulans

<400> 16389

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<210> 16390
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16390

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 tatgtcgata cgatgttgat ggatgtgggt ctggatatga gtatgggtaa taatgtgggt 180
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<210> 16391
 <211> 270
 <212> DNA
 <213> Aspergillus nidulans

<400> 16391

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 agtttcttct ccaaacgacg ttgaacatgt ctggccgcag gacggaactt gattgtgcat 180
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<210> 16392
 <211> 287
 <212> DNA
 <213> Aspergillus nidulans

<400> 16392

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 cttgctgttc gcccgtagt caggaaccag ctgaggataa tcggccttga tcgctcgact 180
 ttacttccaa gctcgatccc aagtaacgtt ctgcagtaga aatcagttcg acgagagctt 240
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<210> 16393
 <211> 287
 <212> DNA
 <213> Aspergillus nidulans

<400> 16393

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 agcggctgat tctgttgagg gttcatgggt gggctctgtg ggcgctagcg acaattaaac 180
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<210> 16394
 <211> 290
 <212> DNA
 <213> Aspergillus nidulans

<400> 16394

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 tgatcatgta cagttgcac tatgaggcgg cttgacgggt cctgtcgtg ctcatgggtt 180
 aagatgcgca tgttattgtc gctgtatata ttagactctt cgcttggttt cccttggcgc 240
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<210> 16395
 <211> 297
 <212> DNA
 <213> Aspergillus nidulans

<400> 16395

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 tgaatctggg gacaatgtct gagcaggagg cgaatggagg cattggcgag gtagatccgg 180
 aattcaagag gaggattgat gagcttgccg cgcgggaaga cttccaaagt gaagcgagcc 240
 agaacgagct gcggcggctt gttatggatg cgatccaagg atctaataatt gaaacgc 297

<210> 16396
 <211> 302
 <212> DNA
 <213> Aspergillus nidulans

<400> 16396

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 cctctgcgc gctgactgtc caatccgctg atgggtttat gtccctctcc agaagaacta 180
 aatctcgacc ctctttgagg tcacgatggt cacgatgaga ggggtcgatg cggctgcgga 240
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 ca 302

<210> 16397
 <211> 302
 <212> DNA
 <213> Aspergillus nidulans

<400> 16397

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 cctctgcgc gctgactgtc caatccgctg atgggtttat gtccctctcc agaagaacta 180
 aatctcgacc ctctttgagg tcacgatggt cacgatgaga ggggtcgatg cggctgcgga 240

ataagagacg atgacgaagt atgaatgggg tggatgatag tgccttgcca tgattttgtt 300
ca 302

<210> 16398
<211> 308
<212> DNA
<213> Aspergillus nidulans

<400> 16398
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tactccccctc ctgcgcgctg actgtccaat ccgctgatgg gtttatgtcc ctctccagaa 180
gaactaaatc tcgaccctct ttgaggtcac gatggtcacg atgagagggg tcgatgcggc 240
tgcggaataa gagacgatga cgaagtatga atgggggtgga tgatagtgcc ttgcgatgat 300
tttgttca 308

<210> 16399
<211> 310
<212> DNA
<213> Aspergillus nidulans

<400> 16399
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caaatccaac aaacgagtcc cgacggcctc cagcctagaa ggaagcgaga cggagctctc 120
acattatctc cattacgagg ataacgcctg tttttttgcg ccgagttggc aggaccgtca 180
tgccgggcat gatcgagctc atactgcgcg gtcatagact attcggtatg tagaccatgc 240
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agtgggtattg 310

<210> 16400
<211> 336
<212> DNA
<213> Aspergillus nidulans

<400> 16400
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agcagcacca gttcgcctac ggcaaagtcg acccgcacca ggctggccat gagggcggca 120
 aggtcggcgg ccacgctggg ggcgtcgcga gcgggaaggg cagtgcgtcc aagtacaacc 180
 agcagggaca agagcagctc gaggatgagg agccagaata tgaggagtaa ttgtatttgt 240
 gtacactaaa taatatgtat tggctatttt gtaactagga atcaatatatt gttatggaga 300
 aaataacaaa atatcatatt cctaattgtt gctctt 336

<210> 16401
 <211> 347
 <212> DNA
 <213> Aspergillus nidulans

<400> 16401

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 gcgtcgttca gaccccgta gagaccgaga tcggaaccgg gatcgaaaga gcagatatta 180
 cgatgatgac aggaatatgt catggtattc atcatcgact gcctccagca agcagcggaa 240
 tcgggacaga gacagggacc gagataatga tcgtgattcc cgtcgacgga agtagatgga 300
 agaatatcgc actccgctta ggacaaatac ttcgtcctca gtttatt 347

<210> 16402
 <211> 351
 <212> DNA
 <213> Aspergillus nidulans

<400> 16402

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 ttctgattta gaatgatttc ctcaagggtta catagtagtt cacaaggctg gctgccgcgg 180
 taatggtttt ggggtactct aggtttgctc aagtagcacc agtgagccgc cgacgaaggt 240
 aagtcgacaa actcgagccc atcgtgggct tggccattca gtttcagtat aaatgaggtc 300
 acaaagcaag gtagtaagat taatttagtg tcctgaatgg ttgaagagcg t 351

<210> 16403
 <211> 359
 <212> DNA

<213> Aspergillus nidulans

<400> 16403

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aatcccgact agtcgcccac cacttccacg attttccttg aatcatgcat cgaatttccc 180
ttattttatt cgattttttg cacggcgaaa cagcgggtgt atgataccca tttgaccatc 240
aactgttatt gatctaggag agggcagctc ttagcatctc ctccggcgtgt ctcgatattg 300
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<210> 16404

<211> 370

<212> DNA

<213> Aspergillus nidulans

<400> 16404

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cgcttgcccc aagtgcggtg ctagtatctc cggcgacaac aagagctgca actcctgcgg 180
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tgcttatcac agacttgccc tgtctaagtc ggactcttca tccggaggga tcatgatggt 300
ggagggtgaac tttttatctg cgtatatggg tagggctcag ggtgcgggaa cggtagcccg 360
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<210> 16405

<211> 372

<212> DNA

<213> Aspergillus nidulans

<400> 16405

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tcactacctc tctcccgccc tcctttggct caccaggatt tcctttacaa ttttctcact 180
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ttgggtttgc ggtcattgtg cgcttttttt ttttttggca gggttcaccc gatgcgccc 300
 tttttgctct tgttcgaatt actgttatgg aagacataag taaccataat gctattaagc 360
 tgcgtcgatt cg 372

<210> 16406
 <211> 373
 <212> DNA
 <213> Aspergillus nidulans

<400> 16406
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 gtggcaccgt cagttttcat catatttcag gacttaagga aatcatacag tgcgaagccg 300
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<210> 16407
 <211> 375
 <212> DNA
 <213> Aspergillus nidulans

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<210> 16408
 <211> 379
 <212> DNA

<213> Aspergillus nidulans

<400> 16408

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gaagaaccga catatgtcag atacgtcgca ttcgatcctt tcaacattaa catgctaggg 180
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gactccagat gaagctccga ggatagtgaa gcaaatgcgg ttttgagggg ttgcgggctt 360
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<210> 16409

<211> 387

<212> DNA

<213> Aspergillus nidulans

<400> 16409

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<210> 16410

<211> 390

<212> DNA

<213> Aspergillus nidulans

<400> 16410

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tctatataaa agatccacct cttctttcca 390

<210> 16411
<211> 397
<212> DNA
<213> *Aspergillus nidulans*

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<210> 16412
<211> 400
<212> DNA
<213> *Aspergillus nidulans*

<400> 16412
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<210> 16413

<211> 403
<212> DNA
<213> *Aspergillus nidulans*

<400> 16413

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<210> 16414
<211> 405
<212> DNA
<213> *Aspergillus nidulans*

<400> 16414

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<210> 16415
<211> 408
<212> DNA
<213> *Aspergillus nidulans*

<400> 16415

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tcggtgctcc cacagcgccc gtcttttttc tattttgaat ttgcccactt acctatactg 180
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 caccaggatt tcctttacaa ttttctcact tttttatcct ccgttctacg tatactcggc 300
 gttctaaagc attggatctg gagataggac ttgggtttgc ggtcattgtg cgcttttttt 360
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<210> 16416
 <211> 409
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16416

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 catctgttct gtgaatatac caagatcttc acacttgag agagcttagg tgggtgtagag 180
 agtctctgcg aagttccttc aagcatgacc catgctggaa ttcccaaaga agagcgagaa 240
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<210> 16417
 <211> 410
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16417

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<210> 16418
 <211> 411
 <212> DNA
 <213> Aspergillus nidulans

<400> 16418

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gagctcctac atatacgag tgagactgag tacggctgag agcactcaat gatcgatcct  180
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atcctgagcg cctaagctag ggcttcaacg gtgaatatgc atataatgag tgtctaatat  360
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<210> 16419
 <211> 423
 <212> DNA
 <213> Aspergillus nidulans

<400> 16419

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gagaagcttt ctttcgctgg cgataacatg gacagattgg aggagacaag tagcgggctgg  180
gcgcggggacg tcaacaaata cgtccagaac cagaagaaga aagcagttct tgggtggtaag  240
tgtcttgcca gctcgacta tccatactta atgccaaaca tttcgctaata aaccgatagt  300
tcttgggtcg aagttcgggc tttaggcggc ttttctggtt ctgctcctcg caagatatca  360
taggtagtgt ggcgtttggg ataattaata ttagtctatg cttaggcatt ctatagactc  420
gcg                                           423

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<210> 16420
 <211> 429
 <212> DNA
 <213> Aspergillus nidulans

<400> 16420

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 tgtttactca gcgaagtctt gtcgggtcca gtactgatag ctcgtagtaa gtaggaaaat 180
 tgacatggcc gtctttgact ggcacctgga ttgtgagttt ccctcctttt tttttcccct 240
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 ccacagcctg tgacagggca tgtaactgaa actgtctccc ttcacttgta tcttttcatg 360
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 tcattcggtt 429

<210> 16421
 <211> 443
 <212> DNA
 <213> Aspergillus nidulans

<400> 16421
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 cggattgtga ctacatcgtg cagtttggtta tggatgatat taggcagttt acaagactct 120
 gggaggacga ggagttccgg aaaactgtta agccggatca tgtgaacttt gcggacgaga 180
 gcaagtctgg gttagtcctt ctttcctata tttcaaggca aaagtgtgct gatgagtttg 240
 gggggtaata ggatatcgat tgggtacagg acgagattca tctcgccgga ggaaggggtg 300
 gggcagttga aaaattgagg acaggctcat ttcactacat tttgaccata aagaatgttt 360
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 gatttatata taatgctgag taa 443

<210> 16422
 <211> 447
 <212> DNA
 <213> Aspergillus nidulans

<400> 16422
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 aaaattaccc tgagccccgg ctttcgatat catatccaaa ttctccacaa caaaagccat 180

aaaccgcaca gagagactgg ggtcattatc ttgaagcggc aaagtgatgg ggctgcgaag 240
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cggcgggtccg cttcttcaac cttcgtcaga gccgacctat tgattcagct ctatagccag 420
ctgtcatcag ttcattggcag acgctaa 447

<210> 16423
<211> 452
<212> DNA
<213> Aspergillus nidulans
<400> 16423

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gagaatccgc ttacgcttaa ggaatcaagt gctactgaac gaagcacct caaccacct 180
ttcgtgttcg gacaatgacg ttccgatggg cgaataacat gcaaactgga cccttgtccc 240
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ttcacgtctt ctgtacctca actttgtctc gggtgaaaat tgctatagat tctggcgcag 360
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<210> 16424
<211> 457
<212> DNA
<213> Aspergillus nidulans
<400> 16424

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ggctggaagc aagggcactg tccagatctg ggatacatct actaatgctg ctgttcggag 180
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agcgcgtctt cgtaactgtc atagctttca tccgctt 457

<210> 16425
<211> 458
<212> DNA
<213> Aspergillus nidulans

<400> 16425

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cgcagagctc ggatacaact aggatatagc aactacaacg aagccacttg atgtccgggt 180
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gacacagaac cctgtcatgt cagttcgcgc gtgccagcgc gcttgatatat gcccgtagcg 420
tctatatact tacccaaaga tatgtatata tatgcagt 458

<210> 16426
<211> 467
<212> DNA
<213> Aspergillus nidulans

<400> 16426

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tccgatgcgc ggtatgggac cggcagagtg gttggacgct atgcgggctg cagtgcatgc 180
gcaaggcgag tcgcatcgtc tctggcctgt actgcatttc ctggaagccg gtggtgggta 240
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ggaaaaagaa gagttactgg cgtcactgag gaagagtatc agctatatgc gccagattgg 360
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<210> 16427

<211> 468
 <212> DNA
 <213> Aspergillus nidulans

<400> 16427

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catggcacca gatgatttca gaaatcttgg gcttgttttt gagaacgacg gcgatgggtc  180
acacgcacaa gcacaggcac agacacaagt acagacacaa agtgggtcga gttcgggtta  240
atagcagatt tggggttgca ttgaggcttt ggtggaaagc ttggtgcacg gttgatgttt  300
actggtactc ccgcttttagc tcgcgccttg catgacatgg cgggctgtat gaggtcgatg  360
aggtcgatga ggtcgatgag gtcgggtttaa actgtacatt acatgtatca taggggttgtt  420
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<210> 16428
 <211> 477
 <212> DNA
 <213> Aspergillus nidulans

<400> 16428

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attgtcgtca tctccattct cctcctcgaa ggcattggcc ggagcatgga tcttgatctc  180
gatctcttta agaggtttagc gccgatattc cctgccttgc tgctcgtaat catcgagctg  240
ccaccgctc aaaacccct cttttggtta tccgcagaac tgactcactt ttccagtgcc  300
cttcccatct tacggaaact cggttccaat gccactttcc taaagacaat tcggtcgggc  360
gacacctcaa tgcttcgct ctgggttggt cttgaagctc gtggcttact tagggcgagc  420
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<210> 16429
 <211> 478
 <212> DNA
 <213> Aspergillus nidulans

<400> 16429

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acgctgaaga agattaagac taacgatgaa cagccaaaga acagcccaaa atgcctgtcg 180
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gttttggtt tataacctcc gactttggtg gcgagctcat cctccgccgc cagtcgatca 300
ctgagcacac acagcgctg aaggagggga tgaaggcttc ctatgaggcg gtacatttgc 360
ccatgttgct catggcagag cagggtgcgc cggaggaata gctgtctgac ttgaggctat 420
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<210> 16430
<211> 478
<212> DNA
<213> *Aspergillus nidulans*

<400> 16430
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acgctgaaga agattaagac taacgatgaa cagccaaaga acagcccaaa atgcctgtcg 180
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gttttggtt tataacctcc gactttggtg gcgagctcat cctccgccgc cagtcgatca 300
ctgagcacac acagcgctg aaggagggga tgaaggcttc ctatgaggcg gtacatttgc 360
ccatgttgct catggcagag cagggtgcgc cggaggaata gctgtctgac ttgaggctat 420
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<210> 16431
<211> 478
<212> DNA
<213> *Aspergillus nidulans*

<400> 16431
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 ctgagcacac acagcgcctg aaggagggga tgaagggtctc ctatgaggcg gtacatttgc 360
 ccatgttgct catggcagag cagggtgcagc cggaggaata gctgtctgac ttgaggctat 420
 aagcctgtgc tcattctttg gggtttgggt ttggttctag gttttggttt cggtttga 478

<210> 16432
 <211> 478
 <212> DNA
 <213> Aspergillus nidulans

<400> 16432

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 gttttggctt tataacctcc gactttgggtg gcgagctcat cctccgccgc cagtcgatca 300
 ctgagcacac acagcgcctg aaggagggga tgaagggtctc ctatgaggcg gtacatttgc 360
 ccatgttgct catggcagag cagggtgcagc cggaggaata gctgtctgac ttgaggctat 420
 aagcctgtgc tcattctttg gggtttgggt ttggttctag gttttggttt cggtttga 478

<210> 16433
 <211> 480
 <212> DNA
 <213> Aspergillus nidulans

<400> 16433

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 tgggggtgcct ccaagttcgt cgctgttggt ttcgggatta agaagctcca gatcaacatg 180
 gtcgtcgaag atgaaaagat ctccatcgac gagctccagg cccagatcga ggaggacgag 240
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 aaccccttct aggctgctat gcagaagctg taaatgaaat gaccattata atgaatgtca 360

attgagtgat gacgacgttg ccggtatcaa ggaaaatatt tatgtcatga acttgaatgc 420
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<210> 16434
 <211> 480
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16434

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 agtaggaaaa cttgctcgca atgctaactg ctgtttcttg ccagttgtta caaccacgcg 120
 ctaagctacg acacttcaac gacggatcatg ttatccagcc cgacccggga cctgtgcgaa 180
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 aaatgatact ctgggtgttg ttgctttttt ttgtctcttg ctactcgact ttcccttctc 420
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<210> 16435
 <211> 486
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16435

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 gctatatcta cgattttgct accgagaccg aagtagcagg agggcatgtg agccgagcga 420
 agccaggaaa cgatgtaaac gaaactgaag aactagcttt ctctagcttg aacttgggat 480
 agaacg 486

<210> 16436
 <211> 493
 <212> DNA
 <213> Aspergillus nidulans

<400> 16436

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 aatatattcc tctcagtagc acattggagg gtttgggtat ctgcgtaag gtaagtcata 360
 gcagcttctc tgtatttgtt acgaacattt ctaacattct cacagaacct taactgggag 420
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 caatatctgg cgt 493

<210> 16437
 <211> 501
 <212> DNA
 <213> Aspergillus nidulans

<400> 16437

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<210> 16438

<211> 503
 <212> DNA
 <213> Aspergillus nidulans

<400> 16438

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 aatctctaag agctgggaaa acgacaagca ggtccttgcc attgcttgca acgatgtggg 180
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<210> 16439
 <211> 508
 <212> DNA
 <213> Aspergillus nidulans

<400> 16439

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 gtacgtcggc cttcaccgca atgactacag tactaaaga aactgcagat gaatactctc 180
 gtgcagcacg gagttgtcga cgtttatgca cctcttggtg acatcaaggg gtcgtactct 240
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<210> 16440
 <211> 515
 <212> DNA

<213> Aspergillus nidulans

<400> 16440

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agcggaatc aacaccatcc cagaaacata cgagattgac gaggacttgg atacttgga 180
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<210> 16441

<211> 520

<212> DNA

<213> Aspergillus nidulans

<400> 16441

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gttttgctgg gtagtcgctt agcgagatcc atccgttccg agtcttccaa gctgacgacc 180
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ggggcctctt tcatcatagg gccagggtct gactggggca ccgctattca tggaaacaat 420
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<210> 16442

<211> 528

<212> DNA

<213> Aspergillus nidulans

<400> 16442

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tgctggccgg attggaggat gatgatacat ttgaccgtga tgggtcgcta ggaagtgcg 240

aaagaacgtt acatagcccc gtgcagttta aggaagctct ggaccatctg aatgctgcta 300

aaagagatcc ggtgggttct ctggactctg catcaacgcc aacctccagt agcgcacgcg 360

aaaacgatga cagcactttg tctacagaaa tcaatgtgca accgaaagat atgtaatgat 420

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<210> 16443

<211> 539

<212> DNA

<213> *Aspergillus nidulans*

<400> 16443

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tcatcgttcg ctacgaaggc ccaaagggag gaccaggtat gccagaacag ctcaaagcca 180

gtgcggcgct tatgggtgca aaactgacca acgtggcatt gattacggat ggtcgggtact 240

ctggggcctc gcatggcttt atcgttgggc atattgtgcc agaggcagca gtgggaggcc 300

ccattgccgt tgttcgtgac ggggactctg tcaactatcaa cgcgagagacc aacgaactca 360

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ctactgtgac gcgcggtgtg cttgcgaagt atgcccggt ggtaggggat gcttcgcacg 480

gtgccatgac agatctgttt tgaagccaat caattctaca aactagcccc tgcgttttt 539

<210> 16444

<211> 545

<212> DNA

<213> *Aspergillus nidulans*

<400> 16444

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 gctgtataat tgacgggtctc aggtgattgg gagctcttca cggcggcagt cgcatacagta 180
 agcacacgag acatgttcat caaactactt gccagtgga taaacgagac gccaacgaac 240
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 tttatcagga caaaagagcg gctaggcggt ccattcccag tatttgtgtt agatgtgata 480
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<210> 16445
 <211> 545
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16445
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 tttatcagga caaaagagcg gctaggcggt ccattcccag tatttgtgtt agatgtgata 480
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<210> 16446
 <211> 551
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16446

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gcgcttgcta actgattaga aggatgaaaa tattctgatt ccacttaccg acgcttcgag 120

gaaccattg aaggtcttga agttggaata tagtaatgat cttcctgaat atccattaac 180

tgacccaaat ggatatggct atgttataaa cgtgccccct aatcagcggg gggaaactgt 240

cgaggacatg gtcaacagcg taagtacttg tcacgtggct gttgggtgct taccaagtga 300

ttactaacta cttgatagat tcaatattat acttgacaaa agtattgcaa tagaccttgc 360

agccagtcct tatttcttgg aatatcttac cttagcttat catattagtg ttctggagtc 420

aagatctgta agcatgcaag tatacagctt aagaatatat attatacttg ccttacagat 480

aatttataga ctactttaca agacattcaa cacagaatta gtgaaatcaa gaaagatgca 540

actaaagatg c 551

<210> 16447

<211> 561

<212> DNA

<213> *Aspergillus nidulans*

<400> 16447

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gccgctatcc agggaagcgg ctgggcctgg ctgggttcagg acaagcaaac tggcagcatc 180

gccatcaaga cctacgcggt aagttgatac tgggtttctc gtggtggcag agacgtagtt 240

acttatccaa gtcgcatttc agaaccagga ccccgttggt ggacagttca agcccctcct 300

tggtattgat gcttgggagc acgcctacta gtaagtgtct ttggtcccct cggttggtct 360

tctccgctaa cccgtacgca gcctgcaata ccagaaccgc aaggccgaat acttcaaggc 420

gatctgggag gtcacaaact ggaaggccgt tgagaagcgc tttgcgtaag ggttgagcgc 480

atgtcgtatt gaattgttgg atataacccc atgtaacctg tagttgtgac aatcctaaat 540

tatgatacgt acttgctttc c 561

<210> 16448

<211> 565

<212> DNA

<213> Aspergillus nidulans

<400> 16448

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gccgctatcc agggaagcgg ctgggcctgg ctggttcagg acaagcaaac tggcagcatc 180
gccatcaaga cctacgcggg aagttgatac tgggtttctc gtggtggcag agacgtagtt 240
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gatctgggag gtcacaaact ggaaggccgt tgagaagcgc tttgcgtaag ggttgagcgc 480
atgtcgtatt gaattgttgg atataacccc atgtaacctg tagttgtgac aatcctaaat 540
tatgatacgt acttgctttc ctatg 565

<210> 16449

<211> 567

<212> DNA

<213> Aspergillus nidulans

<400> 16449

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ttaatcccag cgaggttgtt tttttttttt ttctggctgg cttaatacac gccgaacgcg 180
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cattacacat gtggctgcaa gggctggagg tctaggtaca acggttgact gcacaactag 480
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cgcgatttga gcctccaaac tacgcct 567

<210> 16450

<211> 583
 <212> DNA
 <213> Aspergillus nidulans

<400> 16450

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aatgaatact aatgagaatt tgtccagttc gaaacagccg tgggccagca ccgagtgcg 120
tctacttgg ggagtacaac gacaaactgg acacagattg aacggccatt caccgtcaag 180
ctgagttggt cttatttaat caagttatat agacgagacg accttgtatt ctccctggat 240
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tgtacctttt tctttaccgt atcatatggg caagcgcgtt gacggagctt actctcggac 480
ataatactgt ctttctttgt ggatctttct cttctttatt attgtgacac gagaaatgga 540
caggaggatt taataggctt aatcggtgag cgcatatgaa atg 583
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<210> 16451
 <211> 592
 <212> DNA
 <213> Aspergillus nidulans

<400> 16451

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gctgggctgc tgagtgcct gctcgggtgc ggctctgcc cggaaggcct cgggtgctttc 180
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gtaatcgctg gtttgctcat ggtatttaga gggagaaggt gaaggcagga tgtgcggttg 540
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<210> 16452
 <211> 592
 <212> DNA
 <213> Aspergillus nidulans

<400> 16452

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ggtgatcatc gtccctgctg gtaagacca cctgagttcc gcactactgg aaagtaggaa 180
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ctctggtggt ttgtgctttt ttttgtctct tgctactcga ctttcccttc tcatgtgcta 540
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<210> 16453
 <211> 604
 <212> DNA
 <213> Aspergillus nidulans

<400> 16453

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tcaagaccac acgcccccaa gtcacccgcc gtacatacgc ctcagagcct gcgcgcgaac 180
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tacgagcaac ccatatatca acgagcccg caagagtata acgggcgaag gcgagacaga 480
gtcggccaaa ttcaagggga cggtttcgcc gcagaggccg caaaactgag cacgtgctct 540

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 taaa 604

<210> 16454
 <211> 611
 <212> DNA
 <213> Aspergillus nidulans

<400> 16454

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 acctttctcc ctcagatctc ccttccacct cccgtgtctg accatgtttg aaaccgcct 180
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 aacctgtccg ggggtgcgacg caatcaacaa tggccttaca atgtgtgatg tgtgcatgga 300
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 gcactttttg g 611

<210> 16455
 <211> 615
 <212> DNA
 <213> Aspergillus nidulans

<400> 16455

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 aacggcgttg gtatgttttt cctccgatcc cgcgataaga ctagagcgag gctaacaggg 180
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<210> 16456
 <211> 633
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16456

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<210> 16457
 <211> 635
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16457

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aacgggcgct gcttgggaata tagcccgttc ggagaaagaa ccgggtttat atcatttggt 240
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 ttgggcttcc agcctcaggg gttggactat tctcgacgct tgtctggaca tttttcacgg 540
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<210> 16458
 <211> 646
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16458
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 cgcggcgttg gcaatgatgg ttctgaagac ctgcgaaggc atcgacggag ggcttccgac 540
 ttggcttcgg acgcggatga cgataaacat aataattgac tttcttatcg ggttggtccc 600
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<210> 16459
 <211> 646
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16459

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accatttttg acaagaggtg agtccaaggc tgctatgac cattcgtact gtgtctaaca 180
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<210> 16460
<211> 656
<212> DNA
<213> *Aspergillus nidulans*

<400> 16460

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catagccgtt gatatccaaa agccaagatt ggattttgca aaaaaattcg ccgcaacagc 180
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<210> 16461

<211> 658
 <212> DNA
 <213> Aspergillus nidulans

<400> 16461

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 tccaacatgc gcacctgact cccactcggc ggactccgt tctcccaatg gatttctggc 180
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 ttggttttca tgctgttggg ctcagtcacg acaatgttgg tgttgccat gttgttgagt 600
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<210> 16462
 <211> 665
 <212> DNA
 <213> Aspergillus nidulans

<400> 16462

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 tatccgaagc taacagtggg cttctcatcc tagcggacga gctagggcag gatgaacgct 480
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catttctgga aaagaggggt ccaatctggg gtgtgcagtc gaatgagaaa taagatcata 600
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cgcg 665

<210> 16463
<211> 665
<212> DNA
<213> Aspergillus nidulans

<400> 16463
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taacacgaat tcacagaggc aaggcaatcg cctcccgact tgcccgcgat ggctactccg 180
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gcgta 665

<210> 16464
<211> 679
<212> DNA
<213> Aspergillus nidulans

<400> 16464
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<210> 16465
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16465
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<210> 16466
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 <213> *Aspergillus nidulans*

<400> 16466

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<210> 16467

<211> 727

<212> DNA

<213> *Aspergillus nidulans*

<400> 16467

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<212> DNA
<213> Aspergillus nidulans

<400> 16468

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<210> 16469
<211> 741
<212> DNA
<213> Aspergillus nidulans

<400> 16469

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<213> *Aspergillus nidulans*

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<210> 16471
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16471

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<210> 16472
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16472

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<210> 16473
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16473

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<210> 16474
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16474

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<210> 16475

<211> 802

<212> DNA

<213> *Aspergillus nidulans*

<400> 16475

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<213> Aspergillus nidulans

<400> 16477

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<210> 16478

<211> 822

<212> DNA

<213> *Aspergillus nidulans*

<400> 16478

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<211> 839
<212> DNA
<213> Aspergillus nidulans

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<210> 16480
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<212> DNA
<213> Aspergillus nidulans

<400> 16480

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<211> 854

<212> DNA

<213> *Aspergillus nidulans*

<400> 16481

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<210> 16482
<211> 857
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<213> *Aspergillus nidulans*

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<210> 16483
 <211> 857
 <212> DNA
 <213> Aspergillus nidulans

<400> 16483

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<210> 16484
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 <213> Aspergillus nidulans

<400> 16484

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<210> 16485
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 <213> *Aspergillus nidulans*

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<210> 16486
<211> 879
<212> DNA
<213> Aspergillus nidulans

<400> 16486

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<210> 16487
<211> 889
<212> DNA
<213> Aspergillus nidulans

<400> 16487

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 <213> Aspergillus nidulans

<400> 16488

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16489

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 <213> Aspergillus nidulans

<400> 16490

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 <213> Aspergillus nidulans

<400> 16491

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<212> DNA
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<213> Aspergillus nidulans

<400> 16494

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<210> 16495

<211> 959

<212> DNA

<213> Aspergillus nidulans

<400> 16495

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16496

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<212> DNA
<213> Aspergillus nidulans
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 <213> Aspergillus nidulans

<400> 16498

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<210> 16499
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16499

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<210> 16500
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 <212> DNA
 <213> *Aspergillus nidulans*
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<212> DNA
<213> *Aspergillus nidulans*

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 <212> DNA
 <213> *Aspergillus nidulans*
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 <213> *Aspergillus nidulans*

<400> 16503

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16504

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<210> 16505
 <211> 1098
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16505

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<210> 16506
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 <213> *Aspergillus nidulans*

<400> 16506

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 <213> *Aspergillus nidulans*

<400> 16507

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 <213> *Aspergillus nidulans*

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<213> Aspergillus nidulans

<400> 16509

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<212> DNA
 <213> Aspergillus nidulans

<400> 16510

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 <213> Aspergillus nidulans

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<400> 16512

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 <213> *Aspergillus nidulans*

<400> 16513

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<210> 16517
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 <213> *Aspergillus nidulans*

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<400> 16531

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<400> 16532

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<210> 16536
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<212> DNA
<213> Aspergillus nidulans
<400> 16537

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tctgcactcc acatatgcat gactctgtta gactctgtta gattctgtta gagattcgaa 180
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<210> 16538
<211> 200
<212> DNA
<213> Aspergillus nidulans

<400> 16538
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caaggtgcga atacccccac tgtctcgact gtccgcaaac cggcctcgcg gtccctcca 180
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<210> 16539
<211> 201
<212> DNA
<213> Aspergillus nidulans

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gaaaataaga tgagatctgg gtttagctgt atcctctgaa gatcgattag atttgggtga 180
ctgcagaaag aagaagaata a 201

<210> 16540
<211> 205
<212> DNA
<213> Aspergillus nidulans

<400> 16540
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atttgcttga ccgaaagctt gctaaacgtt ttcagtgcga gagatcctac gcccaagcgc 120
aggtaaagcc gcacgagaag gagcaatgct tggtagttat gcggagaatc gacgatcaaa 180

cgctctagaa ttgcagcggc gcgga

205

<210> 16541
<211> 205
<212> DNA
<213> Aspergillus nidulans

<400> 16541

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ttacatcact ttgtttcaga tctggctcgc aggattatct actaggtggg gtattgacga 180
ctatgagatt acgatatatg tgaat 205

<210> 16542
<211> 206
<212> DNA
<213> Aspergillus nidulans

<400> 16542

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agtttgctca cgtttgtttt ccggatgcat tcgaagctgg tggagttcgg gtggcttctc 180
aatogaagta ttcttataat ctagat 206

<210> 16543
<211> 209
<212> DNA
<213> Aspergillus nidulans

<400> 16543

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agaattaagc acccagggag gcgtcagcgt agacgtactg tgtagccaag tcaccaatag 120
gcagtttgct gagaacgacc ttggcccctg atttgtagat agcctcgagc ttgttgtaga 180
tgatctgcca ctccgcatcg acgatggcc 209

<210> 16544
<211> 210
<212> DNA

<213> Aspergillus nidulans

<400> 16544

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cttgatcagg tccctaggta tgaaattagg tagcaaattc cccggagcag tagtctgctc 180
cggcagtccg gaaaattcga aaatatctga 210

<210> 16545

<211> 211

<212> DNA

<213> Aspergillus nidulans

<400> 16545

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gttgcatgga tgtcttggtta ggagaattgg ggattggatc taactatatg ccgctcgttc 180
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<210> 16546

<211> 213

<212> DNA

<213> Aspergillus nidulans

<400> 16546

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ttctgttgag cgttctgtga tgggtgagat ctgagatggc aagagtacga cggcatgaga 180
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<210> 16547

<211> 213

<212> DNA

<213> Aspergillus nidulans

<400> 16547

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 aaaatcttga agtgatgtga tatgacctct tat 213

<210> 16548
 <211> 213
 <212> DNA
 <213> Aspergillus nidulans
 <400> 16548

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 gccgcgaag cgtaatgtat ctttttaaca tggcatatt agcaaatgct gacaacatag 120
 aaaaggttac acctgggcat ggcaggctgc aatggaacat ggggctgggt taagggtgaa 180
 ggggccagct aagcactctt gattcgagat ata 213

<210> 16549
 <211> 214
 <212> DNA
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 <400> 16549

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 taggcttatt acctgctgaa tgtggatgga ataaacgcga agaacggcaa ttttgctgg 180
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<210> 16550
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 <213> Aspergillus nidulans
 <400> 16550

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 tgagcgcgca gtattttggg ttctgcatg gcgc 214

<210> 16551
 <211> 215
 <212> DNA
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<400> 16551

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<400> 16552

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<400> 16553

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 gatgttgctt ttcttttgat gtcttcaaataaatgactgta tatacctcga gcggtgttgc 180
 gatgatagcg tccaatactc tataggaata acaacactct a 221

<210> 16555
 <211> 222
 <212> DNA
 <213> Aspergillus nidulans

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<210> 16556
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 <212> DNA
 <213> Aspergillus nidulans

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<210> 16557
 <211> 223
 <212> DNA
 <213> Aspergillus nidulans

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gtcggctttg agctagacgc agttgtcaac tatggctgtc agcagacgct cgttataaat 180
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<210> 16558
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16558
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 ctctccaat aggtcggagc tgtcacgga actccagcgt tcgcgccggc gcctgatctg 180
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<210> 16559
 <211> 225
 <212> DNA
 <213> Aspergillus nidulans

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<210> 16560
 <211> 226
 <212> DNA
 <213> Aspergillus nidulans

<400> 16560
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 cgtgggtcaa tcggtactat agcccgaata gcacaggccg tgccgagtct tgcaacgaag 180
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<210> 16561

<211> 227
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 16561

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 cgctcttgag aactacacac agatcaagac ggtgcactac cgcttgggtg atgctctttt 180
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<210> 16562
 <211> 228
 <212> DNA
 <213> Aspergillus nidulans

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 aagaaaccca tccaacgccg cgcagggttg ctaaccgta gatgagccgt aagatcgaaa 180
 tcaaagagag tcattaattg ccgccgcgga gacggaggac caggtgga 228

<210> 16563
 <211> 229
 <212> DNA
 <213> Aspergillus nidulans

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 gctgtgagaa tatatcttac caagggcttg tttgaatttt cttgtcttat tgggccacca 180
 gccttctctg agctaaacgc acccttaaatt gcagttttta gccttttct 229

<210> 16564
 <211> 229
 <212> DNA
 <213> Aspergillus nidulans

<400> 16564

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<210> 16565
<211> 230
<212> DNA
<213> Aspergillus nidulans

<400> 16565

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aagcggaggg ttgggatcgt tatgtctgaa tgatgaatgt tggcggatct gccagatttc 180
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<210> 16566
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<212> DNA
<213> Aspergillus nidulans

<400> 16566

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<210> 16567
<211> 233
<212> DNA
<213> Aspergillus nidulans

<400> 16567

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caattgagca gcataaccta gctgtatcaa cgagtgaccg ggaaaggaca gttatgatga 180

cgaatctacc agccagttac atatacagtg gcctaataaag agttttctga aat 233

<210> 16568
<211> 235
<212> DNA
<213> Aspergillus nidulans

<400> 16568

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<210> 16569
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<212> DNA
<213> Aspergillus nidulans

<400> 16569

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caattactgt acgacgttat gatgtccagc acgatggggg tttgtgttca gatttgggtgc 180
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<210> 16570
<211> 236
<212> DNA
<213> Aspergillus nidulans

<400> 16570

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aatgatttca cttgccaaaca tcaccaagct gcggctccct tcccatgggt ggtgatgaa 180
ttgtcgggca tgcgattgca gcgtctattt atttgctac ttactggaat accttg 236

<210> 16571
<211> 236

<212> DNA
<213> Aspergillus nidulans

<400> 16571

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atgagttgag taattaacaa gaattttgta gttgcgcgtt ctgggttcagc tgggtgggatg 180
gcggaggtag tgaaagcagt ggacagtgtc ttaacagatg ggctgtgggt tataag 236

<210> 16572
<211> 238
<212> DNA
<213> Aspergillus nidulans

<400> 16572

gatgagcgtg cccgtgaggc aggacgcaag ggcggcaagg ctactgggtca ccacgagcct 60
gaggaataag ggtgttcgtt atgcatccag aaatgtgata cgatctgacg attggggccat 120
gcacttcac tcatgtacta tatgatgctt taatgcatga ataacttgct tcttactgta 180
ttagtaccat agttatgcat ccaatgcaga acacaagcaa tggatgttga acgaatga 238

<210> 16573
<211> 240
<212> DNA
<213> Aspergillus nidulans

<400> 16573

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tcgtgtcttt accatttttc tgacggacag cggcggatat gtgattttcg cgcggtaaaa 180
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<210> 16574
<211> 242
<212> DNA
<213> Aspergillus nidulans

<400> 16574

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tgtgtggaca agtttatgaa gggatctcag cgctcaacg agcgattcca ggaacagaat 120
gccgccatga tgcagagcgg acagttgccc ggacggtaaa cgacttcgtc tttcggtttt 180
cttgttggct ttatcggcaa tttccgtgta tactagcttc tcaatgatac tctcgctat 240
gt 242

<210> 16575
<211> 243
<212> DNA
<213> Aspergillus nidulans

<400> 16575
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ccgcattgaa cgagatgaaa gaaattttgt aacctgcgct ggagggtgtt ttatcattga 120
tttatggtat tgggttcggg acctggcatt atggattctc ctcttgtaa tgtgttctag 180
aagcgtggat cgaattcaat ctctgctaga ttcaatttgg atcgagtaaa gaaacttgaa 240
aga 243

<210> 16576
<211> 244
<212> DNA
<213> Aspergillus nidulans

<400> 16576
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tgatgctacg ttttgggcag agtgtggcat cgccgatgtg tactccgtcg gtgcagcctt 120
gggtgtgctt tgcgagcaga cttaatagca tgcatttggc aggtcaagca tgctcttag 180
cggaacagtc ttgagttccg tactcttacg attgtttgac gaaatcaaaa tcctcttctt 240
gaag 244

<210> 16577
<211> 248
<212> DNA
<213> Aspergillus nidulans

<400> 16577
tgactgtctg gtataggacg cggaagaggt tcacatacaa gcactcgaag aacaggtgat 60

cgggcttatt ttcgtggaag cgatcaatgg gtgaattgga tgggtgtctt atttggtttt 120
 ggctgggggtt ttcttacttt actagcgggt tgcaacattg tctgtcccggt ccgtgagcct 180
 tgaggaggga gtgtataact atctgcatat ctttatattg ggttttgtca atacatgcca 240
 catttcga 248

<210> 16578
 <211> 251
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16578
 tgccgcgcca aattcattca ggctctctgc acgggtgcttc tcatcgattg ttggtataga 60
 agcctttaac cgcttcacag cttctcgtct ccgggtatttt tgaaaaccga gtatcgcgcc 120
 tgcaacagca gctccggaca gcaactgcagt tgcagcgagc tggacctggt gtgagttggt 180
 ctgtcggttg atccaggatg ccatctcaaa gtggatcggt ctattctatc gaggagccgt 240
 tgcgccggta t 251

<210> 16579
 <211> 253
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16579
 gccggtgcct ggaccatgag attctggctt atgagtgcta actgcaagat ccggaggagt 60
 aatgatgagt cgggtgttgtt ttatgcttat taactttcat taccggcttt tccctccatc 120
 tgctagcatt gcacggctag gctgagcctg tagcagctta ttggctatat tcgtgatgat 180
 aatgtcggta tgggtgtctag atgtgaattt ttatacgcag aataatcttc tgctgcattc 240
 tctgcctatg ccc 253

<210> 16580
 <211> 260
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16580
 tctggttctg actccgggtc tggttctggt gtatatgatt cgtgagcgtc ttagtggcct 60

atgcttggtc aatacctact ctggtgcctt ctgcttattt cgctggctcg caactcttct 120
gaggttctac ccaccatatg taacaacatc ccgcgtagac atggctacca tctccgaacg 180
catacccttt cccatctagg tccttcgaat atcggccgga cctgggtattt aggttgcaat 240
gaagttgcct gacgcgtgcg 260

<210> 16581
<211> 260
<212> DNA
<213> Aspergillus nidulans

<400> 16581
tcgtttgagc actccgacgg aaagcttgct accaaagcag ctatccaata ccctgctctt 60
gacattgagc atagctcagc agcttaatcg ctaaggctgt cgcttcgctg tcttcaggcc 120
aactttctcc gcaccttcga gctgggatca aatatgggtt gtaaatgcct aaatgcgttg 180
atgaccttaa atttctcatc ttcactgctc aagatgttgt atgccattgt ggatagattg 240
atatgaccca ttcaaggaca 260

<210> 16582
<211> 268
<212> DNA
<213> Aspergillus nidulans

<400> 16582
agaaggata gctgaggtat atttacgaaa aatcaaagtg caagaaacag tctatgtggt 60
tcattcagta gataaaggat agaactatca taacaccgtc aaggtgacat gtgaggcaac 120
aaagaaggta taaggcttgc ccagattaac cgtgaagaat aagaaacca tccaacgccg 180
cgcaggttgg ctaaccgta gatgagccgt aagatcgaaa tcaaagagag tcattaattg 240
ccgccgcgga gacggaggac caggtgga 268

<210> 16583
<211> 269
<212> DNA
<213> Aspergillus nidulans

<400> 16583
actattttaa cttccaaggg tctcgccttg ttctcagtat ttacgattgg agactcctcc 60

gcgattcatc aagatgatct ccctccgctc cctccttggc cccccgaccg ccgccctccg 120
ccagttcctt ccccgacaca acagcaactt ccgagtcctt gcccggccat tttcacaatt 180
atcacaactc acaagtaaca attgggtttt ttttgggtgg tcaaggtcta ttgtgccagg 240
tgctgggtgtt tctgccgtga ggcaggtgg 269

<210> 16584
<211> 270
<212> DNA
<213> Aspergillus nidulans

<400> 16584
gccgtgtgcc gaaaggaag ccggttaata ttccggcacc tggatgtgga ttctccacgg 60
taacgtaact gaacgcggag acgtcggcgg gggtcctggg aagagttctc tttctctctt 120
gacggcctat caccctgaaa tcggtttgtc cggagctagg gttcaatggc cggcagagcc 180
ctgcaccttt gcagggtccg gtgcgcccc cagcaccctt gaaaatccgc gggaaggaat 240
agttttcacg ccaggtcgta ctcataaccg 270

<210> 16585
<211> 275
<212> DNA
<213> Aspergillus nidulans

<400> 16585
cttttttagcg aggtaactag ttcttctccg ttccctcagc gaggctgaaa ataaacaacg 60
gccctcttca tcagcaacta tatatttcgg tgtaggcag tgggtagcct acgagccaaa 120
gtacaggcat cttgagacct gaaagtacct agcccataa atcatataca tagataatac 180
taggctaata ggcagccgaa atgttttcgc gcggtcgagg acaaagcgaa ccttgtccat 240
ggcaatggcg tcgacgaaca gtgggctctg gaccg 275

<210> 16586
<211> 279
<212> DNA
<213> Aspergillus nidulans

<400> 16586
aaccactttg cggcggttgc gtcagacgcg gtcagtttcg aggtgtacct accacttaac 60

ccggactttg atctgcatca tcactactt gcgggggtggg gagtacctat cggcgagatg 120
 tttgatttgg atgggttggc ggagatgtgt atacaacatg gtcgctggac gtttttcgtc 180
 tcgagtagcc ctttgaactg tgcgaatggg gtctcgagtc ccccgaacac tatggctatt 240
 ttttgatcag tcaaacttat gtgccgacgg ggtatatga 279

<210> 16587
 <211> 279
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16587
 ccccttcta tgggggacct tgtcaataaa cgccggggca gcgttaatag tgcaattcgg 60
 gagtcgcgct tttccaagga ccttttagtgg ttgtttttat ctatctgtgc aatatatcac 120
 cttgttgttt atattgtttg gtgttattta ctggttcatt gtatgttctg ggggagccat 180
 gtccttctag aagaggccga gttagggcct ggatattggt tatccgttgt catattgtgt 240
 atgttatttc agtgggtccat gcacttagga tgtcaactg 279

<210> 16588
 <211> 280
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16588
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 cttacgatat tgaccgcgtg aacacgcgcg agtcctttgg aggaaaatag agttcagcac 120
 ttggtctcct tacttatacc ccgatacata tagtctttag tctgcatctt tgcattgctt 180
 ttgcgcttta ccatttaaat gtgtccatgt gtgatgcgat ggaagcgaaa agtcattttg 240
 tctctctgca ttgttgatat ataccctgca tgatttggtg 280

<210> 16589
 <211> 282
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16589
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cgctccctcga gcccgctccag aaagcgatct tcgctgcagg tgcaggccgg taccaggac 120
 cgggcaacta caccgaatgc tgttgggtga cgtcggaac aggtcaattc aggccgggtg 180
 acgcagcaaa tcccgccatt gggaaggtgg gcgagcttga gaagatcgag gagctcaggg 240
 tcgagacgct ctgtgtggga gttgatgtgg cgaggaaagc gg 282

<210> 16590
 <211> 283
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16590
 cgtggataaa tgttgggtga ttgatatat ctgtcatttt tggcgtctgg tggccttgat 60
 tttctgtctt cgatttggtt gttttttatt ttctttcatg ctatgtctaa caatcctgtt 120
 cttttcattc atgttcaacc atgtttttcc ggatacccat accgttcctt aatacctctt 180
 gatggtttct acatcacggg cactccgagt tccctcctta gctgtcgttg tattttcatc 240
 ttacatagct ctactttcgt tatattcaca ccattcggaa gca 283

<210> 16591
 <211> 290
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16591
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 atatctctat tccaatttct tccttttaggc gtttctctt tgcgagacca tggattcatc 120
 agccagtatc atgtccctgt tagcaccact tccttgtctt ctgtctacaa ctactcttcc 180
 caactctgca agctagccga ctgcgacctc cacctgccat tttctactta gactaagaga 240
 atgagttacc ttcgtcgtga tatagataag atatgctgca gtgtgtttga 290

<210> 16592
 <211> 293
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16592
 ccctccttct ggagtaggtc cataagtgtg ccgaaagtag acggccgctg cttcttgga 60

gctcctggca gtgactgac atcctctgcc gatttgcgtg cggtcactct ggtgttgacg 120
 acccaaatcg ggtttgtgag caggacagtt gcactccctg caattgctcc ggctatcatc 180
 gattcgagtg ttgacaattt ctttgaacga cctgcttttt cggcagcctt ctcgaaggca 240
 gacctggtcc attcgtagca gtagtagtag acaaagttcg tgacgctgat acc 293

<210> 16593
 <211> 297
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16593
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 cattcgtgct tgctgtcgtg agaaccgcta gaacagcttt tccacgctcg gcttgacttg 120
 cacatatggc agtcctattc tttgttgccg aaatttatct atatgttttc tgtgtaaatt 180
 acaaaagcgt gggcgggttc tcgtcgcttc attttcctac cttttgatta aaaactgctg 240
 ttttateggt tttccttggt agatcaatat tgggaggctt tctgagagtt cgtttttt 297

<210> 16594
 <211> 298
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16594
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 atactccaag cacacggccg tcggcggttc tacctgggtg gtcgccacgt acgtcacctc 120
 caacctaatc ctcaacagcc tcaactacta ctggttctca aagatgattg aaactgtgat 180
 gaagcgcttc cgtcctcaga aagagcaatc caaggtggca gagaaactta aggagcataa 240
 caaggaagct agcgcggtgg aggagcttgc gcagaggctg ttctcgacgc cgcattcca 298

<210> 16595
 <211> 301
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16595
 caccggtttc tcctggctgt cggccacctt tatctatata ctagctgcaa gacttttccc 60

tcttgcata gcttctctct tcttcgacct gctcttctca ataccgccga ggttaccaac 120
gtcatgacat tatattttcg tctcattttc atttagcgct tttgttacgg caaacaggca 180
tgaggagtct gatcagccgc taggagtggc tttggctggg aaataccgct ctgatgttgt 240
attgtatttg tacatagaca tatagctagt ttctctacta ataatacatga tccccggagg 300
a 301

<210> 16596
<211> 303
<212> DNA
<213> Aspergillus nidulans

<400> 16596
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aagagtacaa aacacctca gtccgactgc catcagagca atcaggcgat tatcgacaat 120
tcccacgccg caggctcggct ataacaggat ctggctcgtag gcatctgaaa ttgagttgcg 180
ttgccctgtc aggtagggtt ctatggagac tggttccggt ttactctgc gattagatct 240
attcgggtcaa aaaatataga acgtaagagt gaaagaatac attgcaaggc tgccatcctt 300
tct 303

<210> 16597
<211> 306
<212> DNA
<213> Aspergillus nidulans

<400> 16597
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aactagtctt ccacgtcccc ccatcgtccc tcgagcccggt ccagaaagcg atcttcgctg 120
cagggtgcagg ccggtaccca ggaccgggca actacaccga atgctgttgg gtgacgtcgg 180
gaacagggtca attcaggccg ggtgacgcag caaatccgc cattgggaag gtgggcgagc 240
ttgagaagat cgaggagctc agggtcgaga cgctctgtgt gggagttgat gtggcgagga 300
aagcgg 306

<210> 16598
<211> 306

<212> DNA
 <213> Aspergillus nidulans

<400> 16598

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 tttgttttcc tcaccttaat tttcggagtc attgatacag cagtggattg tttatggttg 180
 tgttgctacg gcgcgtttgg cacgggtttg ttgaaggcgt tcttgagctt acatcatctc 240
 ttataattct tacatatgat tactcaatgt tgactagacg cccaaattgt tagagcgggt 300
 cgccgg 306

<210> 16599
 <211> 307
 <212> DNA
 <213> Aspergillus nidulans

<400> 16599

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 tactgcctgc gcttgattca gttcactggt ggctcggcag ggatcccatg gacagcctga 120
 ctgatcgccg agggcgattt ttcattcatt tcttttcttt cctttgtgct tcaaagtctt 180
 aacagacca cttgggagta tacttattct agcttaccct cctgggaccc cgtgtatata 240
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 ctgatta 307

<210> 16600
 <211> 308
 <212> DNA
 <213> Aspergillus nidulans

<400> 16600

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 gtacggatac tatgatcttt tgtgtttaca tcggataccc attctacgcg tcttttctcc 120
 caagctcttt gtaggttggt caattttata gtacggtcag gcagagttat tggcctgagg 180
 ccaaagcacg tgactacttg acatcgggtcc ttgggtctctc tcgtcgtctc agtccttag 240
 cgcttgtagc gagacagcac gatgtcattc taagtgttcg ttctcataca attccatgga 300

cctttcca

308

<210> 16601
<211> 308
<212> DNA
<213> *Aspergillus nidulans*

<400> 16601

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ctgatcgccg agggcgattt ttcattcatt tcttttcttt cctttgtgct tcaaagtctt 180
aacagaccca cttgggagta tacttattct agcttaccct cctgggaccc cgtgtatata 240
ccctaccaac ctagagggtc gcttgctttg tgggtggcggc ttaaactaca tatcacatat 300
ctgattat 308

<210> 16602
<211> 308
<212> DNA
<213> *Aspergillus nidulans*

<400> 16602

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gtacggatac tatgatcttt tgtgtttaca tcggataccc attctacgcg tcttttctcc 120
caagctcttt gtaggttgtg caattttata gtacggtcag gcagagttat tggcctgagg 180
ccaaagcacg tgactacttg acatcggtcc ttggtctctc tcgtcgtctc agtccttag 240
cgcttgtagc gagacagcac gatgtcattc taagtgttcg ttctcataca attccatgga 300
cctttcca 308

<210> 16603
<211> 310
<212> DNA
<213> *Aspergillus nidulans*

<400> 16603

agttggacgc gggcgaggac ggcaatccgt tctatccgcc tgcgggtgag cataacgcct 60
ctgcagagtc ggcaccagga gtccttctg aaagcactgt atcaacagct gaagcggcgt 120

aaggtcgttt tattccatgt tctgtaaaga ggcgagcagc agatatccct tattgtttat 180
 tcttgtttct tgtgtgtaag ctataataaa ctttatgtta tggcaaattc tgggcgtgca 240
 atcgaccttc gctccatagt cgtgatcctc cttaagttca aattgctcaa tgcaaaatac 300
 atcacacca 310

<210> 16604
 <211> 310
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16604
 tcgcgtgctt gcttacgatc ttctcacaga ggagctaact atagaaggta tagctgaggt 60
 atattttacga aaaatcaaag tgcaagaaac agtctatgtg tttcattcag tagataaagg 120
 atagaactat cataacaccg tcaagggtgac atgtgaggca acaaagaagg tataaggcctt 180
 gccagatta accgtgaaga ataagaaacc catccaacgc cgcgcagggtt ggctaaccgc 240
 tagatgagcc gtaagatcga aatcaaagag agtcattaat tgccgccgcg gagacggagg 300
 accaggtgga 310

<210> 16605
 <211> 315
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16605
 aggaacgagg cgggagagca gtaaacacag ggaggagcag cagcacagaa agaacatcga 60
 atagaaacac caaatgcagc cgttgccttc ccttcctctg gtaaataaat tcacataaac 120
 gagaggtaaa atggatgcat tgaggaaatg agaaaagagg tagacatgaa caaaaggcgg 180
 cgaagatgag gaaaagaagt aggaaaagag aacaccaatc cctattgtga gcacaaagta 240
 ccttcogtat agaaatagaa catgatcagc gtaaagagtc aagtcggagt cgctggaatt 300
 taggatgcgg ggagg 315

<210> 16606
 <211> 320
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16606

ttctttacaaa aataaccgtc aactcttgcc catatgacca agggcggtcg ctggaatatc 60
gttactggat ggaagaaggg cgcgtttagg gcagctgggt tggacagcct ccggaccatg 120
accgccggta tgcgcaggct gatgaacacg tttgtgtttt gtacaagtga gtcctcaacg 180
ataaatccac aatcctcttg aagctactaa tggtcgattg gagactatga gaagggcggt 240
catgttagga gtaagtatat gtacgatatt tatcagaagg aagtgtcctt ctagtacctg 300
gcagagtggc ctttggtatc 320

<210> 16607

<211> 320

<212> DNA

<213> *Aspergillus nidulans*

<400> 16607

gccacggcct ccaggacttc acaatgcctt ttatgatcaa ctctctctgc gagcaaacac 60
gtacgataga gatgctgaag aaggacaacg aggagcggaa ggcacgagag gtgacgcaaa 120
agaaggacga ggacaacacg ccgattctag gcggatccag gctcatcgtg acgcagggtc 180
cagcagcgcc agcacctcct gtctacggac aagcgaatgg gataacgccg caggccacgg 240
ggttccgtcc tttctaagct cgccttgtct ttttgagggg tagattttct tccgcaagt 300
gtatttcaact atttctgata 320

<210> 16608

<211> 321

<212> DNA

<213> *Aspergillus nidulans*

<400> 16608

tagtgtgtta tatttgatcc aatctctcgt cttggagctt agcagctctc ctttcggggc 60
ttaagggctg ctcggtaccg gattgagggg gagtgataaa tgcgttcggc acacaacctt 120
gttacttcga cggacgcgat gaaggcatct ctgattctat aatacttggg ggtgtacact 180
ttaccgacgc accgaggccc ttgagatgtt ctgctaccac tagcatggta ggcgtcattt 240
gcatgatagg gttcctccag tcggttatcc tggttttact gacaaccatt acataaacgg 300
atacaaatat attcaaattg t 321

<210> 16609
 <211> 327
 <212> DNA
 <213> Aspergillus nidulans

<400> 16609

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 ttatgaccgg attcccctga ttgaagctta tagtgtgata tccctgctcg gaatatataa 120
 actctgcata ttgacttggg ttcagccatt gctaaccatc aaatgtctta tcttttctca 180
 tttggaacag tttctaaata cgtctcagac tatcaaagga agcgatgttc ggattacttt 240
 cagttcatcc ggggacgcca ttgggtagca gttgctcatt cagtcagctc tagattcacc 300
 tctcaatggc cttaagttca tgctgta 327

<210> 16610
 <211> 331
 <212> DNA
 <213> Aspergillus nidulans

<400> 16610

acttcgagcg cttcaaggtc cttagactca ggaagcaggt acgttgcgat atggctttta 60
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 gtatcaaagg ctaacatatg acatacaggc tcgtttcgag gtccagaagg ctcacgcca 180
 gatcagggca gctgctccta aggcttagat ggtaaatgag gctcggtgca tagagtgaag 240
 gggatatctgg gacggtttca ctttgctgag ggtttaaatt cagcaactcg ctgtatgcat 300
 tatcattgac agcataaaaa tgacttaaga a 331

<210> 16611
 <211> 332
 <212> DNA
 <213> Aspergillus nidulans

<400> 16611

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 tctacatacc aacacaggcg tattgttcaa gcacgatgcc gacctatatg gtacgtcttc 120
 agccctcaac tgtgtaattg gaaacttatg gactgttgaa tagatcaaac tcaagcctag 180

cgcaacagca gaggatatcc aagcgtatgg attccagact ctcgcagagc ctagaatatt 240
 taatgtttac accgtatagg gtgaaggaca gcgctgtctc caacggaggc accataactc 300
 acgagtacaa gctgatcaag ggatttgcgt ga 332

<210> 16612
 <211> 333
 <212> DNA
 <213> Aspergillus nidulans

<400> 16612

gccctcgagg cctgccacaa gggctggggg gagagtatcg tcattgggtgt cgctgctgca 60
 ggccaggaga tttccacacg acgtaagccg ccaatctaatt tgagacttcg ttgagccttc 120
 tgctaactcc ccattgctaca gcattccagc tcgtcaccgg tcgtgtatgg cgcggctgtg 180
 ctttcggtgg tatcaagggc cgcactcaac tccctggcct ggtggatgac tatctggatg 240
 gcaagctcaa ggtggatgag ttcatcacc accgtgagcc cctcgccaac atcaaacactg 300
 cctttgagca gatgaaggcg ggtgactgca tcc 333

<210> 16613
 <211> 334
 <212> DNA
 <213> Aspergillus nidulans

<400> 16613

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 cttgtcctcg cactcgtagc accgggttcc gaagcttacc ccccgattgt cgaatacccg 180
 cttaaacagg cagacgcggc tccccgagcc tcgaaacgtc ccgcaccata tgaactcctc 240
 gatactatac cagcgtataa ggatatttgg tgttagaata tactggcaat gacgatgatg 300
 tgtttctgca attcgagatc aaatactcat cggc 334

<210> 16614
 <211> 336
 <212> DNA
 <213> Aspergillus nidulans

<400> 16614

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ctggaacctc accgtcgcg atattggaat tccccaaata gcctggcgca aattcggcac 180
gcgcgcgacgg cacggaatcg actttggtaa ccgatgggtt gtgtcgctgc gctaccagcc 240
ctctgtcgtc tagtagctgt ttccctggac gactatctaa cgattattgg atgaaaagac 300
attgaggcgt tgtggtagag aaaacactct gacttt 336

<210> 16615
<211> 340
<212> DNA
<213> Aspergillus nidulans

<400> 16615
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gcgctgcttg aaccaccgca tagtctcggt ctggttgata cgggtggctgg caccgatggg 120
ggacttgacg cggcgacgct tggcaacgcg ctcaccaggg cgggtcctgt ttccttgat 180
cagtctgat agccttgcta agaagagagc tcatggcccc aaaagtgtcc aactcacatg 240
cagcagtaga agtccatgcc gtagatacca atgttggggg cgtacttgat accaagatca 300
atgtgctcgc tgataccgaa gccgaagtta ccggtctcgg 340

<210> 16616
<211> 342
<212> DNA
<213> Aspergillus nidulans

<400> 16616
tgcgctcgaa gccaaagtcg gttctttctca cattcgatat ctcccatcct tacaaaattc 60
aaattttttt ttgcacaaag aacctgggtg ttgtcaactc ttatctcgcg tttcttttct 120
ctcatagacc atgcctttta ctatcaccaa gcgctgttcg cttctgctct cctgtataat 180
ataatggcgc gaaatatcga aaagtgggtt tgggaggcga tccttgtttg agattgacac 240
cattttctc ttcacaaagg atatcgatat gttgacgtct ttcgcctcac gcattgttct 300
ttaattacag tatcaacatc acgagcggat gatgaatgga ca 342

<210> 16617
 <211> 342
 <212> DNA
 <213> Aspergillus nidulans

<400> 16617

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 gtccgacttt cgcacgcaaa gaccgagcgt gggtcagaac ttaagtcagt ttgtactttg 120
 ctacgaaagc atcctagagt gggcggtagc ccagatgccg agggagagcc cgggataaca 180
 ttataaatcg ttgtctcttc tcgttagtta ttttgatgat tacatccatg agcgcatttt 240
 aagaggtggt tgggtgttct tcgaggcgga tcttgatatt accaggtggt gaggcccggc 300
 agagcttata gagaatacgg taatcaaata tgtaaggaac ca 342

<210> 16618
 <211> 344
 <212> DNA
 <213> Aspergillus nidulans

<400> 16618

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 taaaaacatg attggaaggt ttctatatcg ccggtagcac agctggcctg acttcacat 180
 gcaatgtcgc cgggtgtccc cgctgtttct gagacggaaa tgacgttgat tagacctcga 240
 ggccggggcg ttttggtctc acaccgatgg gttagtcgtg cgtcctgaga tatgcataga 300
 cgacaggtgg agatatggaa tcaagggata gacccaaaac aagg 344

<210> 16619
 <211> 344
 <212> DNA
 <213> Aspergillus nidulans

<400> 16619

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 tgccctttat cctctgagca tattccacaa cagatatcga aggtatttcc cgaaagtctc 120
 taaaaacatg attggaaggt ttctatatcg ccggtagcac agctggcctg acttcacat 180
 gcaatgtcgc cgggtgtccc cgctgtttct gagacggaaa tgacgttgat tagacctcga 240

ggccggggcg ttttggcttc acaccgatgg gttagtcgtg cgtcctgaga tatgcataga 300
cgacaggtgg agatatggaa tcaaggata gacccaaaac aagg 344

<210> 16620
<211> 344
<212> DNA
<213> *Aspergillus nidulans*
<400> 16620

tcgtcacatg gcatccgatc cttagtaggc tacgttgggtg tagttgatgc agtttcctcc 60
tgccctttat cctctgagca tattccacaa cagatatcga aggtatttcc cgaaagtctc 120
tacaaacatg attggaaggt ttctatatcg ccggtagcac agctggcctg acttcaccat 180
gcaatgtcgc cgggtgtcccg cgctgtttct gagacggaaa tgacgttgat tagacctcga 240
ggccggggcg ttttggcttc acaccgatgg gttagtcgtg cgtcctgaga tatgcataga 300
cgacaggtgg agatatggaa tcaaggata gacccaaaac aagg 344

<210> 16621
<211> 346
<212> DNA
<213> *Aspergillus nidulans*
<400> 16621

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ctggactctc ctttcctttc ctctcactac ctctctcccg ccctcctttg gctcaccagg 120
atttccttta caattttctc acttttttat cctccgttct acgtatactc ggcgttctaa 180
agcattggat ctggagatag gacttgggtt tgcggtcatt gtgcgctttt tttttttttg 240
gcagggttca cccgatgcgc ccgtttttgc tcttgttcga attactgtta tggaagacat 300
aagtaaccat aatgctatta agctgcgtcg attcgacgtt agctaa 346

<210> 16622
<211> 346
<212> DNA
<213> *Aspergillus nidulans*
<400> 16622

tcccaacctg gccctctctc agcggtgatt taggtctcct atttcccga gtccttcgtt 60

gattggtgcg ctctcgatc atactactat actccatcgc ctgtataaa tcaactctata 120
ctctcccaat ctgaaacgca atttccgcat gcttcttggg aagtggcccc tctcaactcca 180
gttcacgctc atctgcaatc aatccacacc ctatgtcttg ttgtcataat tctgtgcacgc 240
ccggcatttc caataccaag ccttgggtgt tcccctgagt ggatcgcaga caaagacttt 300
gatcaaggcc cactgttata ccactctttc tgggtgctcc ctgcgc 346

<210> 16623
<211> 347
<212> DNA
<213> Aspergillus nidulans

<400> 16623

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gtcgtcgctg aacgcttctc caacggcgtg aaccagacct actctgcctc tgacgccatt 120
cagtttgacg ccgtcggtgt tgccctgga gcggaagaagc tcttcggtgc caagtccgcg 180
gccaactcca gctcaaccct ctaccctgcc ggccgtcccc tcgaaatcct cgttgatgct 240
ttccgcttcg gtaagccagt cgctgctctt ggcagcggct ccactgcttt cgacaacgct 300
ggatatcaaca ccgccgtcga gggcgtgtac gttgccgatg ccgtgga 347

<210> 16624
<211> 347
<212> DNA
<213> Aspergillus nidulans

<400> 16624

cctgtagtac tccgcatccg cagtacagaa attcatgcaa tcatcatcat ataacaccaa 60
ggaacaacaa ctcaagataaa gagggatttc acttccgccc aaaccagccg gaaactgtgc 120
tcttcgcctc agacgccttc gcctctacat catggctcag cttgtttgcc tctcttttac 180
cagcctgggt taggtcatcc aacttccgtt gtgcccgggc ggcttggtcc ttgcccgcct 240
ggctcaagtc atccagcttc cgctgtgctt gggatgcaag gtcggtgttc tttgtcgtgg 300
ggttgttcgc ctgaacacga gcacattagc atcatcgtaa agagata 347

<210> 16625
<211> 347

<212> DNA
 <213> Aspergillus nidulans
 <400> 16625

acagttcctt ttcatacaagg ttacaagaaa ggctttgcga acgattcgaa aggctggggg 60
 ccttgatcaa tacttggttg acgatcggcc tgcgcgaatc aaggagttgg gtgttttttg 120
 atggaagctt cgatggcagg tgatgcagac tgataaaatc caagagcaat ttaagcaaga 180
 gcgaaagcgt ttgggactgc cagaaccgcc gtcatttgag gagtgggttg aacagaagga 240
 gggatgaagtc aaggcgcaag tggaggaaca taccaacatt gccgaactca cgaagccaac 300
 ctacaacgaa aagaaccatt aacgtcaatt cgcatacaca ttctagc 347

<210> 16626
 <211> 355
 <212> DNA
 <213> Aspergillus nidulans
 <400> 16626

ttggcgcttt tgggtggatta cgcgggctgg aaaatggttt acggaccaac gtgcagagcg 60
 gctgagcat ggacgaaacc gtgttgatg gtatgggtgaa tttcaacgag gcggtttcgc 120
 ggaccttcgt gccagacccc aagtctgcct ctccagcccc attggcgcca tagcacataa 180
 ccggactata atttctccac cattagggac tttattcgat aagcactttc agtgaggaaa 240
 tatgaactga tctgggtgctc cttgaagtta gcctcaggat gcgcctgact gcccaaattt 300
 attctagctc cagcgtacta gaatcagcga ataaatactt tagaagaaga cattc 355

<210> 16627
 <211> 356
 <212> DNA
 <213> Aspergillus nidulans
 <400> 16627

ccgcaccggt ctgtctctgc ctgacggtat ctcttctcgg gaattccgag tctactttcc 60
 atcggccaag accatctcga tgacctttgc atgttggagc aggacctcgt cttcaaccg 120
 cctgcctatc aactgaacgt ggcatgggtgc gccctcgatt tcgtctgggt tgtctgcggc 180
 ttatcagcat ctttgaatgc ggctgcggtg cagaaacata caatcagggc tatattgcac 240
 gtcacgaata aactcggcgt cggcggcttt attagcatgc ccaaaccgga tgaggcaggc 300

aggatactat ttggcttagt ttattctttc catcagtaga atgagtttct tacgtc 356

<210> 16628
 <211> 357
 <212> DNA
 <213> Aspergillus nidulans

<400> 16628

cctgggattg cggggaatgg gcagccttcc tgcctcata ctcagggatg gatcatgctc 60
 gattgtcgat gtcaggaacg cgtcgtccgc gcagctacac catgcttctg tccgccaatg 120
 caagcctcga ctgcaaacta gaaaatttga ggattcggga atgtcttacc gatacgctat 180
 cgacacaaaa actgcgtggg aatggcggac acactccatc cttttgggta ggctcttaca 240
 ggggaggcaa atccatgttt agcgtcgtgg ccatacatta ctgatccttg cagcttctac 300
 agaaatcact ctcaatgtca cagggatact ggccattgac gtgcagaggt ggtggcg 357

<210> 16629
 <211> 362
 <212> DNA
 <213> Aspergillus nidulans

<400> 16629

agcaaacccg ggccttcttg acggagaaca ggcagagcat ggtaggcata ttcaagcgct 60
 ttgctaagat cggcggatcc gccgtcccg accaccatga cgcacttacc agcattgcga 120
 agtcatacac ggcccttggt gcggctacca acttcttaga ggtaggtcat tgtgctcact 180
 gttccaattc aagatctaac tttgcgacag gctgaagaga gcgaagtcga gcagcacatt 240
 gggccgaagc tgttttcata gggcgggttt tgcattgaaa gacggtgcat gggacgttga 300
 acgactgtgg tgtatttacg gtatcaagca tattgggaca ggctatatta tacgttctag 360
 tg 362

<210> 16630
 <211> 365
 <212> DNA
 <213> Aspergillus nidulans

<400> 16630

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acgggggcttg gagaggggaa aaagtactga taccaagttt cgagtcttta ttctgggcct 120
caggaagctt ttctgacttc acgaactcgc gttgcgcttc gactactgcg caagcctttg 180
gcgggctctc aacctctctg gtctttaact ctgggtctcaa atattgggtc cacccgatat 240
attatgtatg cgggattctg tcgccgttga ggctggttca cgttcatgct tcaaacggac 300
gtatcagaat taggggccgg tacggagtaa actggttcat aagttgcaca acgcaggctc 360
tgcac 365

<210> 16631
<211> 366
<212> DNA
<213> Aspergillus nidulans

<400> 16631

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gagttcgata aatggaatat ggtatgattc atataagcaa gatctctcgt atgtcggcta 120
aagcgtgagg gtcgttaaaa atcattttgt ccttctccat tgcctttact ttgggcctga 180
ggattttcaa ttacgttcg gccagccatt actcccaccg agtagcgggtg gaactgctaa 240
tccttggttc ttcaatgtcc tataacctca aagtcagtgc ttacgaggc actcgggact 300
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gacttg 366

<210> 16632
<211> 367
<212> DNA
<213> Aspergillus nidulans

<400> 16632

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attctgttcg tctacatcgt cttcaatgca ttgcggtcgt ttttccttta ttggctgggt 180
cgtgtaccga aaaagaagtc gcaacagggtg aaaaagcagt aagaggggag cgaagagaat 240
cagcaaggct gcgtgatgac gtctactaga gcatgggcta aactgagtgt taactatcgt 300
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aggttat

367

<210> 16633
<211> 368
<212> DNA
<213> Aspergillus nidulans

<400> 16633

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gaatatggtc tgaccagccc tatagaatca agagactact actactgaga cgtccattga 120
gactcccacc gatactgtca tcgagacccc caccgactct actattaccg gtactactgg 180
tctcgagact gcaactgaaa cctcgacccc gacaacatct cagcctctca ttcctaccgg 240
aagcaccocg gtcattggct cctccagctt tgcaacatcc cctagcccga ccagctctac 300
aagcaccoga tcctcttcaa gtacaaccag ggactctacc tccacttcta cggcgactga 360
gtctgcta 368

<210> 16634
<211> 370
<212> DNA
<213> Aspergillus nidulans

<400> 16634

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tgctctccgc cttggagtct cggatcgcg cggacacgat atcgctcatct ctgaagtctt 180
tggtggaaat tttctgatct tcacgtcgtg ttttctatgc ttgctggacg attactgtat 240
tctttgacca tgacgactat gataccacta cagctcgttg gcccgagca atcaagggtc 300
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aagctctgtg 370

<210> 16635
<211> 370
<212> DNA
<213> Aspergillus nidulans

<400> 16635

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 attaatcgtg ttgatggaat atgggttcaac gctcggtcct gaagagaaat cgctctcttg 180
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 gtttggttga gcagcatcgc atttgatttt tcgcttccta cagccattgc atgcgcgcac 300
 gactggaaga ggtattcagc aaggaaacca aaatcaccaa agaaaggcac ttacccttga 360
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<210> 16636
 <211> 372
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16636
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 aacagcagag gcagagtcct atgcgaaagt gatttctatg ctattgtttg ctttggcgct 180
 gcacgaatgt tcccttgaat gtagttaatc tcttcatgaa gtcctgaccg actctactac 240
 cttatccgaa aatgtcgagt tcttccgga ctttactact tacatatttt tgccctggct 300
 gctttcattg ttctgttgat atgattgtcc ttgacactaa atcgagtcac aaaacagcag 360
 atcagtacat ga 372

<210> 16637
 <211> 372
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16637
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 catccccact accaccggca ctgagtccag cacccccacc agctctccca cgggcacccc 180
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